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## VICINITY MAP



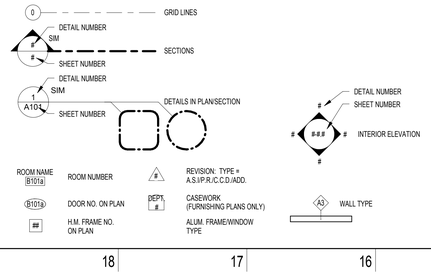

## ABBREVIATIONS

| | | | | | |
|---|---|---|---|---|---|
| Above finished floor | AFF | Footing | FTG | Project | PROJ |
| Acoustic | ACST | Foundation | FDN | Property | PROP |
| Acoustic Panel Ceiling | APC | Furnish(ed), furniture | FURN | Public Address | PA |
| Addendum | ADD | Furring | FURR | Quality control | QC |
| Alternate | ALT | Gage (gauge) | GA | Quality | QUAL |
| Aluminum | AL | Galvanize(d) | GALV | Quantity | QTY |
| Angle | L | Galvanized Iron | GALVI | Quarry Tile | QT |
| Approximate | APPROX | Glazed Wall Tile | GWT | Radius | RAD |
| Architecture, architectural | ARCH | Grab Bar | GB | Rain Leader | RL |
| Asbestos | ASB | Grade | GR | Received | RCVD |
| Asphalt | ASPH | Gravel | GVL | Receptacle | RCPT |
| Assistant | ASST | Gypsum Wallboard | GWB | Receptionist | RECPT |
| Association | ASSN | Gypsum | GYP | Recessa(ed) | REC |
| Automatic | AUTO | Handicapped | HC | Refer, reference | REF |
| Average | AVG | Hardware | HDW | Refrigerate, refrigerator | REFR |
| Base plate | BP | Heating ventilating and air conditioning | HVAC | Reinforce | REINF |
| Basement | BSMT | | | Reinforced concrete | RC |
| Beam | BM | Height | HGT | Remove | RMV |
| Bearing | BRG | High Point | HPT | Repair | RPR |
| Bedroom | BR | High Performance | HP | Required | REQD |
| Benchmark | BM | High Performance Coating | HPC | Revise, revision | REV |
| Board | BD | Hollow Metal | HM | Right hand | RH |
| Boiler | BLR | Horizontal | HORIZ | Road | RD |
| Bottom | BOT | Include(d), inclusive | INCL | Roof Drain | RD |
| Brick | BRK | Incorporated | INC | Roof | RF |
| Building line | BL | Information | INFO | Roofing | RFG |
| Building | BLDG | Inside diameter | ID | Room | RM |
| Built-up-roof | BUR | Install(ed), installation | INSTL | Rubber tile floor | RTF |
| Cabinet | CAB | Insulation | INSUL | Rubber | RBR |
| Carpet | CPT | Interior | INT | Schedule | SCHED |
| Catalog | CAT | Janitor | JAN | Schematic | SCHEM |
| Ceiling height | CH | Joint | JT | Section | SECT |
| Ceiling | CLG | Joist | J, JST | Service | SVCE |
| Center | CTR | Junction box | JB | "Sheet, sheeting" | SHT |
| Centerline | CL | Knock down | KD | Shower | SH |
| Ceramic Tile | CT | Laboratory | LAB | Siding | SDG |
| Ceramic | CER | Lavatory | LAV | Similar | SIM |
| Chalkboard | CB | Left Hand | LH | Slope | SL |
| Clear | CLR | Left | L | Sound-transmission class | STC |
| Closet | CLO | Length | LG | South | S |
| Coated | CTD | Level | LVL | Speaker | SPKR |
| Cold rolled | CR | Light | LT | Specification | SPEC |
| Column | COL | Machine | MACH | Sprinkler | SPR |
| Company | CO | Maintenance | MAINT | Square | SQ |
| Composition | COMP | Manager | MGR | Stainless steel | SS |
| Concrete Masonry Unit | CMU | Manual | MNL | Standard | STD |
| Concrete | CONC | Manufacturing | MFG | Standpipe | SP |
| Construction joint | CJ | Markerboard | MB | Steel | STL |
| Construction | CONSTR | Masonry opening | MO | Storage | STOR |
| "Continue, Continuous" | CONT | Masonry | MSNRY | Structural Glazed Facing Tile | SGFT |
| Corridor | CORR | Master bedroom | MBR | Structural, structure | STRUCT |
| Countersink | CSK | Material | MATL | Substitute | SUBST |
| Cubic | CU | Maximum | MAX | Surface | SURF |
| Curve(d) | CRV | Mechanical | MECH | Suspend(ed) | SUSP |
| Dampproofing | DP | Membrane | MEMB | Switch | SW |
| Degree | DEG | Men | M | Symmetrical | SYM |
| Department(al) | DEPT | Metal | MET, MTL | System | SYS |
| Detail | DET | Mezzanine | MEZZ | Tackboard | TB |
| Diagonal | DIAG | Minimum | MIN | Tackstrip | TS |
| Diameter | DIA | Mirror | MIR | Telephone | TEL |
| Dimension | DIM | Miscellaneous | MISC | Television | TV |
| Dishwasher | DW | Mounted | MTD | Temporary | TEMP |
| Dispenser | DISP | Mounting | MTG | Terrazzo | TER |
| Door | DR | Necessary | NEC | Thick | THK |
| Double | DBL | Noise-reduction coefficient | NRC | Through | THRU |
| Double-hung | DH | Nominal | NOM | Toilet | T |
| Down | DN | Non Combustible | NC, NONCOM | Tongue and groove | T&G |
| Downspout | DS | North | N. | Top and bottom | T&B |
| Drain | DR | Not in Contract | NIC | Top chord | TC |
| Drawing | DWG | Not to scale | NTS | Top of Masonry Parapet | TMP |
| Each | EA | Not available | NA | Top of Bearing | TOFB |
| East | E | Number | NO | Top of Steel | T.O.S. |
| Electric Water Cooler | EWC | Office | OFF | Topping | TOPG |
| "Electric, electrical" | ELEC | On center | OC | Total | TOT |
| Elevation | EL | Opening | OPNG | Transformer | XFMR |
| Elevator | ELEV | Opposite | OPP | Transom | TR |
| Engineer | ENGR | Outside diameter | OD | Transparent | TRANS |
| Entrance | ENTR | Overall | OA | Tread | TRD |
| Equal | EQ | Overhead | OVHD | Threshold | THRESH |
| Equipment | EQUIP | Page | P | Typical | TYP |
| Exhaust | EXH | Painted | PTD | Underground | UG |
| Existing | EXIST | Pair | PR | Underwriters Laboratories | UL |
| Expansion joint | EXP JT | Panel | PNL | Unfinished | UNF |
| Exposed | EXP | Partition | PTN | Unit Ventilator | UV |
| Exterior | EXT | Percent | PCT | Unless Otherwise Noted | UON |
| Fabricate | FAB | Perforate(d) | PERF | Urinal | UR |
| Face of Stud | F. OF S. | Permanent | PERM | US Gypsum Company | USG |
| Fan Coil Unit | FCU | Perpendicular | PERP | Vertical | VERT |
| Fiberglass-reinforced plastics | FRP | Piece | PC | Vestibule | VEST, V |
| Finish | FIN | Plastic Laminate | PLAM | Vinyl Reducing Strip | VRS |
| Finished Floor | FF | Plastic Laminate | PLAS LAM | Vinyl Composite Tile | VCT |
| Fire Extinguisher | FE | Plate | PL | Vinyl asbestos tile | VAT |
| Fire Extinguisher & Cabinet | FEC | Plumbing | PLMB | Wardrobe | WARD |
| Fire Retardant Treated | FRT | Plywood | PLYWD | Water closet | WC |
| Fireproof | FPRF | Point | PT | Waterproof | WP |
| Fixture | FXTR | Polyvinyl chloride | PVC | Weight | WT |
| Flange | FLG | Precast | PRCST | Welded | WLD |
| Flashing | FL | Prefabricated | PREFAB | Welded Wire Mesh | WWM |
| Floor | FL | Preliminary | PRELIM | With | W/ |
| Floor drain | FD | Preparation, prepare | PREP | Without | W/O |
| Flooring | FLG | Program | PRGM | Women | W |
| Fluorescent | FLUOR | Projection Screen | PS | Wood | WD |
| | | | | Wrought Iron | WI |

## SYMBOLS OF MATERIALS

- EARTH
- GRAVEL
- CONCRETE
- CONCRETE MASONRY UNITS
- SOLID CONCRETE MASONRY UNITS
- BRICK
- WOOD-FINISHED
- WOOD ROUGH
- PLYWOOD
- GYPSUM BOARD
- ACOUSTIC TILE
- STEEL - LARGE SCALE
- ALL METALS - SMALL SCALE
- CAST STONE
- GLASS - LARGE SCALE
- BATT INSULATION
- RIGID INSULATION
- CERAMIC TILE
- CARPET

## DRAWING KEY




# HOLABIRD ACADEMY ELEMENTARY / MIDDLE SCHOOL CITY OF BALTIMORE, MD

1500 IMLA STREET, BALTIMORE, MD 21224




# BID SET 03/13/2017

**Architectural & Structural**

## BALTIMORE CITY PUBLIC SCHOOLS

PSC 30.240.15/17

BALTIMORE CITY SCHOOLS
200 E NORTH AVENUE
BALTIMORE, MD 21202

## DESIGN TEAM

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**TECHNOLOGY (AV/IT):**
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(410) 573-9148

**FOODSERVICE CONSULTANT:**
HOPKINS FOODSERVICE SPECIALISTS
7906 MACARTHUR BLVD
CABIN JOHN, MD 20818
(301) 320-9200

| BUILDING AREA | |
|---|---|
| MECH BASEMENT | 1015 SF |
| FIRST FLOOR | 61994 SF |
| SECOND FLOOR | 31323 SF |
| Grand total | 94332 SF |

11720 Beltsville Drive
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Calverton, MD 20705
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www.grimmandparker.com

GRIMM AND PARKER

GP# 21553

TITLE SHEET

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

**TS-1H**
03/13/2017
BID SET

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# LIST OF DRAWINGS

0
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TS-2H LIST OF DRAWINGS

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C-2.00H PROPOSED SITE PLAN
C-3.00H SITE DETAILS
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E-6.5H ELECTRICAL SCHEDULES
E-7.1 ELECTRICAL DETAILS
E-8.1H ROOF LIGHTNING PROTECTION SYSTEM PLAN
E-8.2H LIGHTINING PROTECTION DETAILS
ED-0.3H ELECTRICAL PARTIAL PLAN - DEMOLITION
ED-0.4H ELECTRICAL OVERALL PLAN - DEMOLITION

TECHNOLOGY
T-0.0 TECHNOLOGY SYMBOLS & NOTES
T-0.1 OVERALL PLAN - FIRST FLOOR
T-0.2 OVERALL PLAN - SECOND FLOOR
T-1.0H HOLABIRD SITE PLAN
T-1.1 PARTIAL FIRST FLOOR PLAN - AREA A
T-1.2 PARTIAL FIRST FLOOR PLAN - AREA B
T-1.3 PARTIAL FIRST FLOOR PLAN - AREA C
T-1.4 PARTIAL SECOND FLOOR PLAN - AREA A
T-1.5 PARTIAL SECOND FLOOR PLAN - AREA B
T-1.6 PARTIAL SECOND FLOOR PLAN - AREA C
T-5.0 MAIN TELECOM ROOM DETAILS
T-5.1 TELECOM ROOM DETAILS
T-5.2 PATHWAY DETAILS
T-5.3 INTERCOM & CLOCK SYSTEM DETAILS
T-5.4 GYMNASIUM SOUND SYSTEM DETAILS
T-5.5 CAFETERIA AV SYSTEM DETAILS
T-5.6 MUSIC ROOM SOUND SYSTEMS

SECURITY
TY-0.0 SECURITY NOTES & SYMBOLS
TY-1.1 PARTIAL FIRST FLOOR SECURITY PLAN - AREA A
TY-1.2 PARTIAL FIRST FLOOR SECURITY PLAN - AREA B
TY-1.3 PARTIAL FIRST FLOOR SECURITY PLAN - AREA C
TY-1.4 PARTIAL SECOND FLOOR SECURITY PLAN - AREA A
TY-1.5 PARTIAL SECOND FLOOR SECURITY PLAN - AREA B
TY-1.6 PARTIAL SECOND FLOOR SECURITY PLAN - AREA C
TY-5.0 ACCESS CONTROL & INTRUSION DETECTION SYSTEMS
TY-5.1 CCTV SYSTEM

PHOTOVOLTAICS
W-0.1 PHOTOVOLTAICS - DETAILS & LEGEND
W-0.2 PHOTOVOLTAICS - SCHEDULES
W-1.1A PHOTOVOLTAICS - ROOF AREA A
W-1.1B C PHOTOVOLTAICS - ROOF AREA B & C
W-2.0 PHOTOVOLTAICS - FLOOR PLANS

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GP# 21553

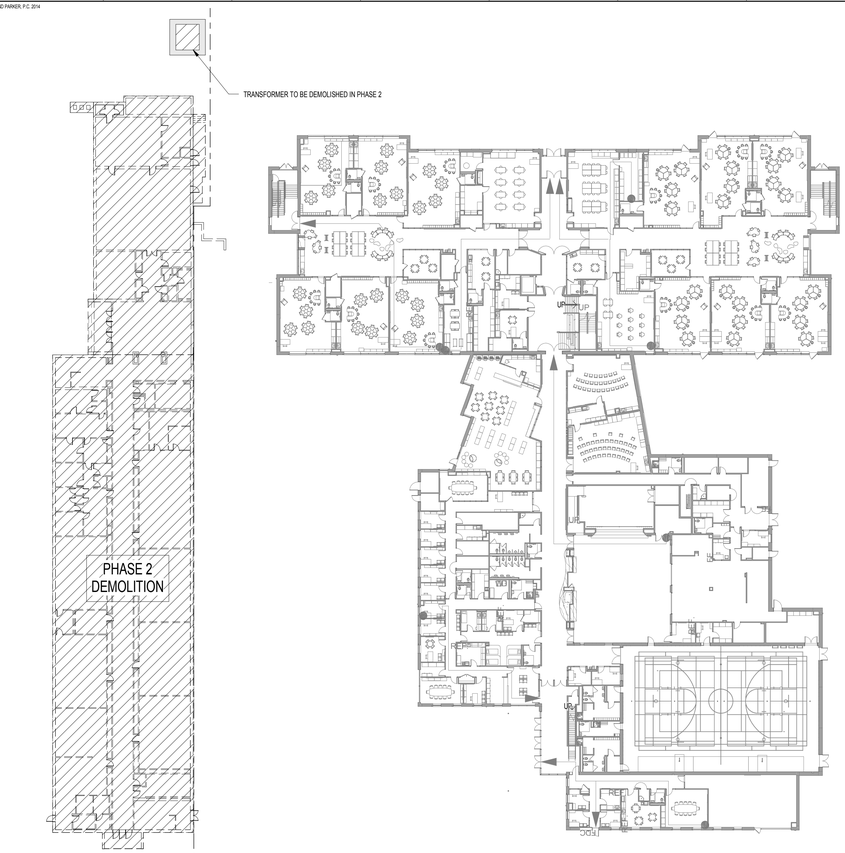
LIST OF DRAWINGS
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

TS-2H
03/13/2017
BID SET

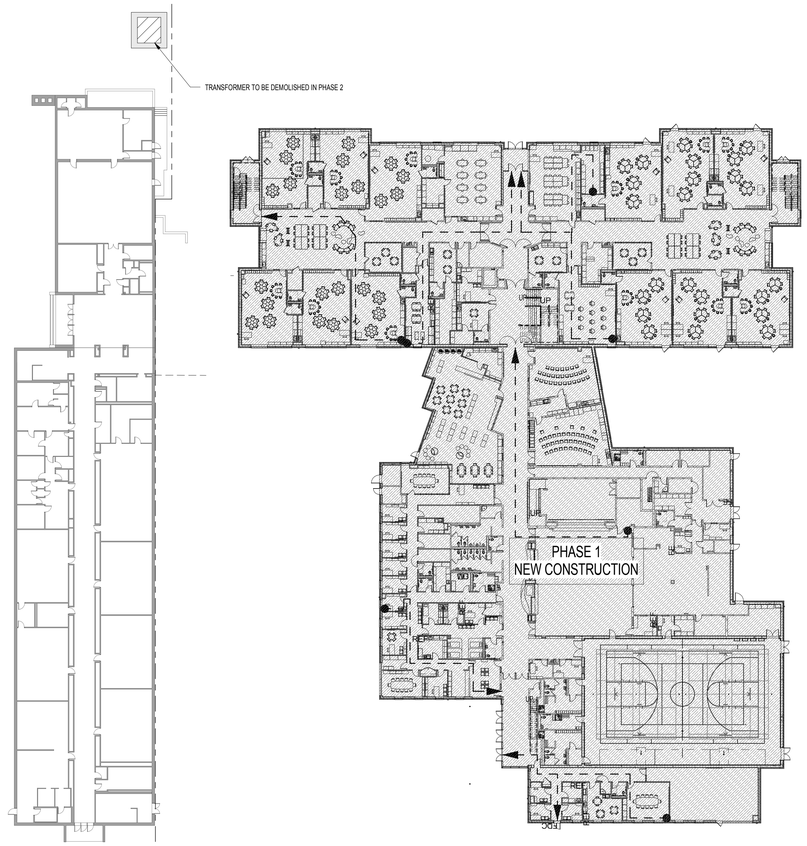
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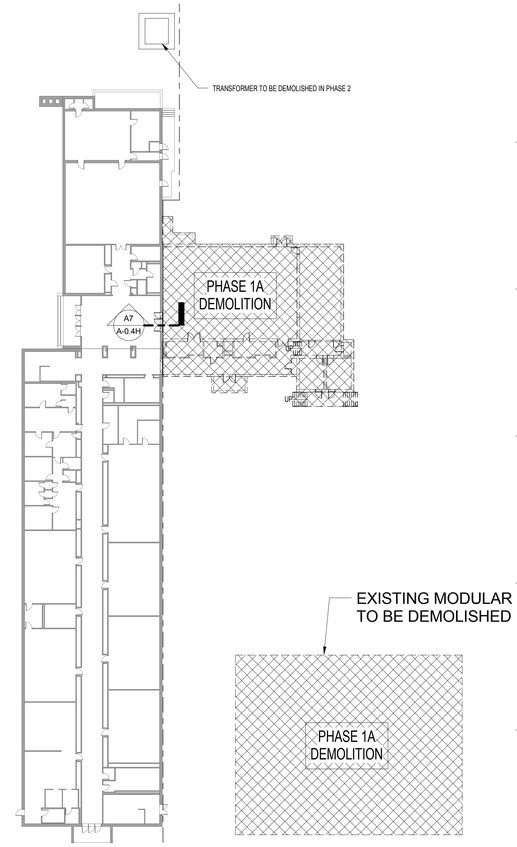

REFER TO CIVIL DRAWINGS FOR
EXTENT OF SITE PHASING WORK

F18 PHASE 2 - DEMOLITION
1" = 30'-0"



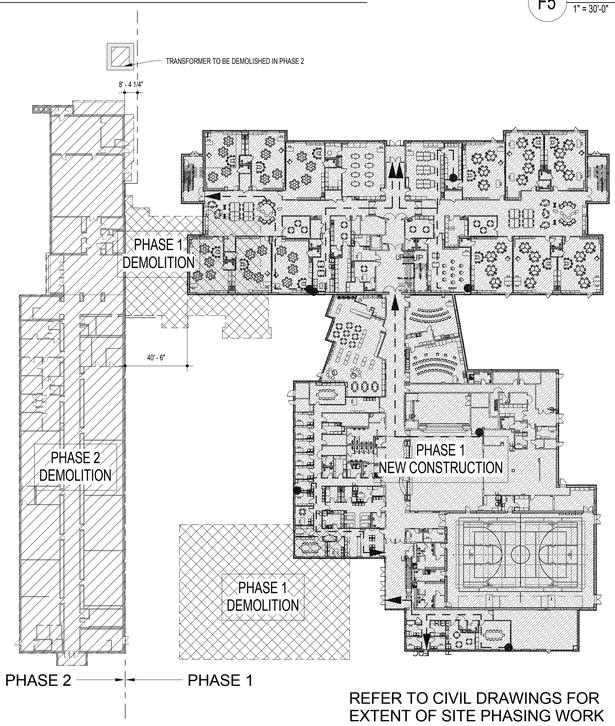

REFER TO CIVIL DRAWINGS FOR
EXTENT OF SITE PHASING WORK

F11 PHASE 1B - NEW CONSTRUCTION
1" = 30'-0"




REFER TO CIVIL DRAWINGS FOR
EXTENT OF SITE PHASING WORK

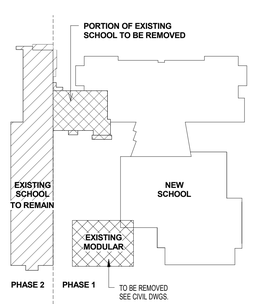
F5 PHASE 1A - DEMOLITON
1" = 30'-0"




REFER TO CIVIL DRAWINGS FOR
EXTENT OF SITE PHASING WORK

A9 OVERALL PHASING PLAN
1" = 40'-0"

## DEMOLITION KEY PLAN




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GP# 21553

PHASING PLAN

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

**A-0.1H**

03/13/2017
BID SET

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## FIRE ZONE 1 - FIRST FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ACCESSORY STORAGE / MECHANICAL EQUIPMENT | | | | | |
| STORAGE | 148 SF | 300 SF | GROSS | 0 | 0.1 |
| OUTDOOR STORAGE | 88 SF | 300 SF | GROSS | 0 | 0.1 |
| MECH | 110 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 95 SF | 300 SF | GROSS | 0 | 0.1 |
| ELEC | 94 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 116 SF | 300 SF | GROSS | 0 | 0.1 |
| LAUNDRY | 85 SF | 300 SF | GROSS | 0 | 0.1 |
| FURN. STORAGE | 202 SF | 300 SF | GROSS | 1 | 0.1 |
| PANTRY | 96 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 335 SF | 300 SF | GROSS | 1 | 0.2 |
| STORAGE | 148 SF | 300 SF | GROSS | 0 | 0.1 |
| FIRE PUMP SVC. | 106 SF | 300 SF | GROSS | 0 | 0.1 |
| PANTRY | 112 SF | 300 SF | GROSS | 0 | 0.1 |
| PLATFORM STORAGE | 108 SF | 300 SF | GROSS | 0 | 0.1 |
| ELEC | 287 SF | 300 SF | GROSS | 1 | 0.2 |
| ELEC | 77 SF | 300 SF | GROSS | 0 | 0.1 |
| OUTDOOR STORAGE | 86 SF | 300 SF | GROSS | 0 | 0.1 |
| CAN WASH | 46 SF | 300 SF | GROSS | 0 | 0.0 |
| STORAGE | 28 SF | 300 SF | GROSS | 0 | 0.0 |
| HEAD END | 221 SF | 300 SF | GROSS | 1 | 0.1 |
| CENTRAL STORAGE | 169 SF | 300 SF | GROSS | 1 | 0.1 |
| WATER SVC. | 124 SF | 300 SF | GROSS | 0 | 0.1 |
| RECIEVING | 194 SF | 300 SF | GROSS | 1 | 0.1 |
| | | | | 10 | 2.0 |

## FIRE ZONE 1 - FIRST FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ASSEMBLY (CONCENTRATED) | | | | | |
| COMMUNITY CENTER | 1175 SF | 7 SF | NET | 168 | 33.6 |
| GYM | 5929 SF | 7 SF | NET | 847 | 169.4 |
| DINING | 2525 SF | 7 SF | NET | 361 | 72.1 |
| | | | | 1376 | 275.1 |
| ASSEMBLY (UN-CONCENTRATED) | | | | | |
| CONFERENCE | 318 SF | 15 SF | NET | 21 | 4.2 |
| CONFERENCE | 257 SF | 15 SF | NET | 17 | 3.4 |
| CONFERENCE | 404 SF | 15 SF | NET | 27 | 5.4 |
| WAITING | 273 SF | 15 SF | NET | 18 | 3.6 |
| | | | | 83 | 16.7 |
| BUSINESS AREAS | | | | | |
| WORKROOM | 186 SF | 100 SF | GROSS | 2 | 0.4 |
| GUIDANCE OFFICES | 1055 SF | 100 SF | GROSS | 11 | 2.1 |
| HEALTH | 905 SF | 100 SF | GROSS | 9 | 1.8 |
| WORKROOM | 155 SF | 100 SF | GROSS | 2 | 0.3 |
| ADMIN OFFICES | 1247 SF | 100 SF | GROSS | 12 | 2.5 |
| COMMUNITY OFFICES | 746 SF | 100 SF | GROSS | 7 | 1.5 |
| FAMILY RESOURCE | 276 SF | 100 SF | GROSS | 3 | 0.6 |
| OFFICE | 113 SF | 100 SF | GROSS | 1 | 0.2 |
| STORAGE | 91 SF | 100 SF | GROSS | 1 | 0.2 |
| OFFICE | 79 SF | 100 SF | GROSS | 1 | 0.2 |
| OFFICE | 80 SF | 100 SF | GROSS | 1 | 0.2 |
| OFFICE | 101 SF | 100 SF | GROSS | 1 | 0.2 |
| SECURITY OFFICE | 92 SF | 100 SF | GROSS | 1 | 0.2 |

## FIRE ZONE 1 - FIRST FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| | | | | 51 | 10.3 |
| EDUCATIONAL (VOCATIONAL) | | | | | |
| MUSIC | 845 SF | 50 SF | NET | 17 | 3.4 |
| MUSIC | 987 SF | 50 SF | NET | 20 | 3.9 |
| PLATFORM | 849 SF | 50 SF | NET | 17 | 3.4 |
| | | | | 54 | 10.7 |
| KITCHEN | | | | | |
| KITCHEN | 1759 SF | 100 SF | GROSS | 18 | 3.5 |
| | | | | 18 | 3.5 |
| LIBRARY (READING) | | | | | |
| MEDIA CENTER | 2031 SF | 50 SF | NET | 41 | 8.1 |
| | | | | 41 | 8.1 |
| LOCKER ROOMS | | | | | |
| LOCKER ROOM | 251 SF | 50 SF | GROSS | 5 | 1.0 |
| LOCKER ROOM | 251 SF | 50 SF | GROSS | 5 | 1.0 |
| LOCKER ROOM | 57 SF | 50 SF | GROSS | 1 | 0.2 |
| LOCKERS | 93 SF | 50 SF | GROSS | 2 | 0.4 |
| LOCKER ROOM | 140 SF | 50 SF | GROSS | 3 | 0.6 |
| | | | | 16 | 3.2 |
| TOILET | | | | | |
| PERSONAL CARE | 98 SF | 0 SF | | | |
| | | | | 0 | 0.0 |
| Grand total | | | | 1648 | 329.7 |

## FIRE ZONE 2 - FIRST FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ACCESSORY STORAGE / MECHANICAL EQUIPMENT | | | | | |
| ELEC | 79 SF | 300 SF | GROSS | 0 | 0.1 |
| TELECOM/ UTILITY | 183 SF | 300 SF | GROSS | 1 | 0.1 |
| MECH | 65 SF | 300 SF | GROSS | 0 | 0.0 |
| STORAGE | 248 SF | 300 SF | GROSS | 1 | 0.2 |
| STORAGE | 79 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 71 SF | 300 SF | GROSS | 0 | 0.0 |
| STORAGE | 240 SF | 300 SF | GROSS | 1 | 0.2 |
| MECH | 64 SF | 300 SF | GROSS | 0 | 0.0 |
| KILN | 98 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 142 SF | 300 SF | GROSS | 0 | 0.1 |
| MECH | 64 SF | 300 SF | GROSS | 0 | 0.0 |
| MECH | 73 SF | 300 SF | GROSS | 0 | 0.0 |
| | | | | 5 | 0.9 |
| BUSINESS AREAS | | | | | |
| RESOURCE | 254 SF | 100 SF | GROSS | 3 | 0.5 |
| PLANNING | 247 SF | 100 SF | GROSS | 2 | 0.5 |
| FACULTY LOUNGE | 404 SF | 100 SF | GROSS | 4 | 0.8 |
| OFFICE | 207 SF | 100 SF | GROSS | 2 | 0.4 |
| OFFICE | 132 SF | 100 SF | GROSS | 1 | 0.3 |
| PLANNING | 254 SF | 100 SF | GROSS | 3 | 0.5 |
| RESOURCE | 240 SF | 100 SF | GROSS | 2 | 0.5 |
| OFFICE/ STOR | 268 SF | 100 SF | GROSS | 3 | 0.5 |
| | | | | 20 | 4.0 |
| EDUCATIONAL (CLASSROOM) | | | | | |
| CLASSROOM | 872 SF | 20 SF | NET | 44 | 8.7 |
| CLASSROOM | 872 SF | 20 SF | NET | 44 | 8.7 |
| CLASSROOM | 939 SF | 20 SF | NET | 47 | 9.4 |
| CLASSROOM | 889 SF | 20 SF | NET | 44 | 8.9 |
| CLASSROOM | 870 SF | 20 SF | NET | 44 | 8.7 |
| CLASSROOM | 870 SF | 20 SF | NET | 44 | 8.7 |
| CLASSROOM | 884 SF | 20 SF | NET | 44 | 8.8 |
| CLASSROOM | 968 SF | 20 SF | NET | 48 | 9.7 |
| CLASSROOM | 999 SF | 20 SF | NET | 50 | 10.0 |
| CLASSROOM | 943 SF | 20 SF | NET | 47 | 9.4 |
| CLASSROOM | 943 SF | 20 SF | NET | 47 | 9.4 |
| CLASSROOM | 971 SF | 20 SF | NET | 49 | 9.7 |
| CLASSROOM | 968 SF | 20 SF | NET | 48 | 9.7 |
| COLLABORATIVE LEARNING | 834 SF | 20 SF | NET | 42 | 8.3 |
| COLLABORATIVE LEARNING | 870 SF | 20 SF | NET | 43 | 8.7 |
| | | | | 685 | 136.9 |
| EDUCATIONAL (VOCATIONAL) | | | | | |
| ART LAB | 941 SF | 50 SF | NET | 19 | 3.8 |
| TECH LAB | 878 SF | 50 SF | NET | 18 | 3.5 |
| | | | | 36 | 7.3 |
| Grand total | | | | 746 | 149.1 |

## FIRE ZONE 2

| | |
|---|---|
| OCCUPANCY | 1,546 |
| USE GROUP | E |
| CONSTRUCTION TYPE | II-B |
| NUMBER OF STORIES | 3 |
| BASEMENT FLOOR | 1,023 SF |
| FIRST FLOOR | 27,628 SF |
| SECOND FLOOR | 26,373 SF |
| TOTAL BUILDING AREA | 54,024 SF |
| ALLOWABLE AREA PER STORY | 43,500 SF (TABLE 506.2) |
| % INCREASE FOR ACCESS: 38.86% | 5,635 SF (506.3) |
| TOTAL ALLOWABLE AREA PER STORY | 49,135 SF |
| TOTAL ALLOWABLE BUILDING AREA | **90,263 SF** |

## FIRE ZONE 1

| | |
|---|---|
| OCCUPANCY | 1,722 |
| USE GROUP | E |
| CONSTRUCTION TYPE | II-B |
| NUMBER OF STORIES | 2 |
| FIRST FLOOR | 34,366 SF |
| SECOND FLOOR | 4,655 SF |
| TOTAL BUILDING AREA | 39,021 SF |
| ALLOWABLE AREA PER STORY | 43,500 SF (TABLE 506.2) |
| % INCREASE FOR ACCESS: 45.00% | 6,525 SF (506.3) |
| TOTAL ALLOWABLE AREA PER STORY | 50,025 SF |
| TOTAL ALLOWABLE BUILDING AREA | **100,050 SF** |

## PLUMBING CALCULATIONS

**PLANNED CAPACITY**

| GENERAL SPACES | |
|---|---|
| STUDENTS | 604 |
| STAFF | 87 |

**MINIMUM FIXTURE COUNT REQUIREMENTS BY STATE RATED PLANNED CAPACITY**

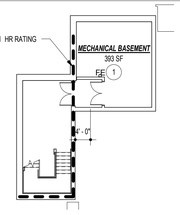
| SPACES | | | | | TOTALS | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SPACE TYPE | STUDENTS | | STAFF | | REQUIRED | | PROVIDED | | |
| USE GROUP | E | | B | | | | | | |
| USOCCUPANCY | 604 | | 87 | | 691 | | | | |
| MALE/ FEMALE RATIO | MALE | FEMALE | MALE | FEMALE | MALE | FEMALE | MALE | FEMALE | UNISEX |
| | 302 | 302 | 44 | 44 | 346 | 346 | 346 | 346 | |
| FIXTURE REQUIREMENTS | | | | | | | | | |
| WATER CLOSETS (1 PER/#) | 50 | 50 | 25 | 25 | | | | | |
| URINALS 50% OF WC COUNT | 50% OF WC | | 50% OF WC | | | | | | |
| LAVATORIES | 100 | 100 | 40 | 40 | | | | | |
| DRINKING FOUNTAINS | 100 | | 100 | | | | | | |
| CALCULATIONS | | | | | | | | | |
| WATER CLOSETS | 4 | 7 | 1 | 2 | 5 | 9 | 8 | 13 | 28 |
| URINALS | 4 | - | 1 | - | 5 | - | 6 | - | |
| LAVATORIES | 4 | 4 | 2 | 2 | 6 | 6 | 9 | 9 | 28 |
| DRINKING FOUNTAINS | 7 | | 1 | | 8 | | 36 | | |

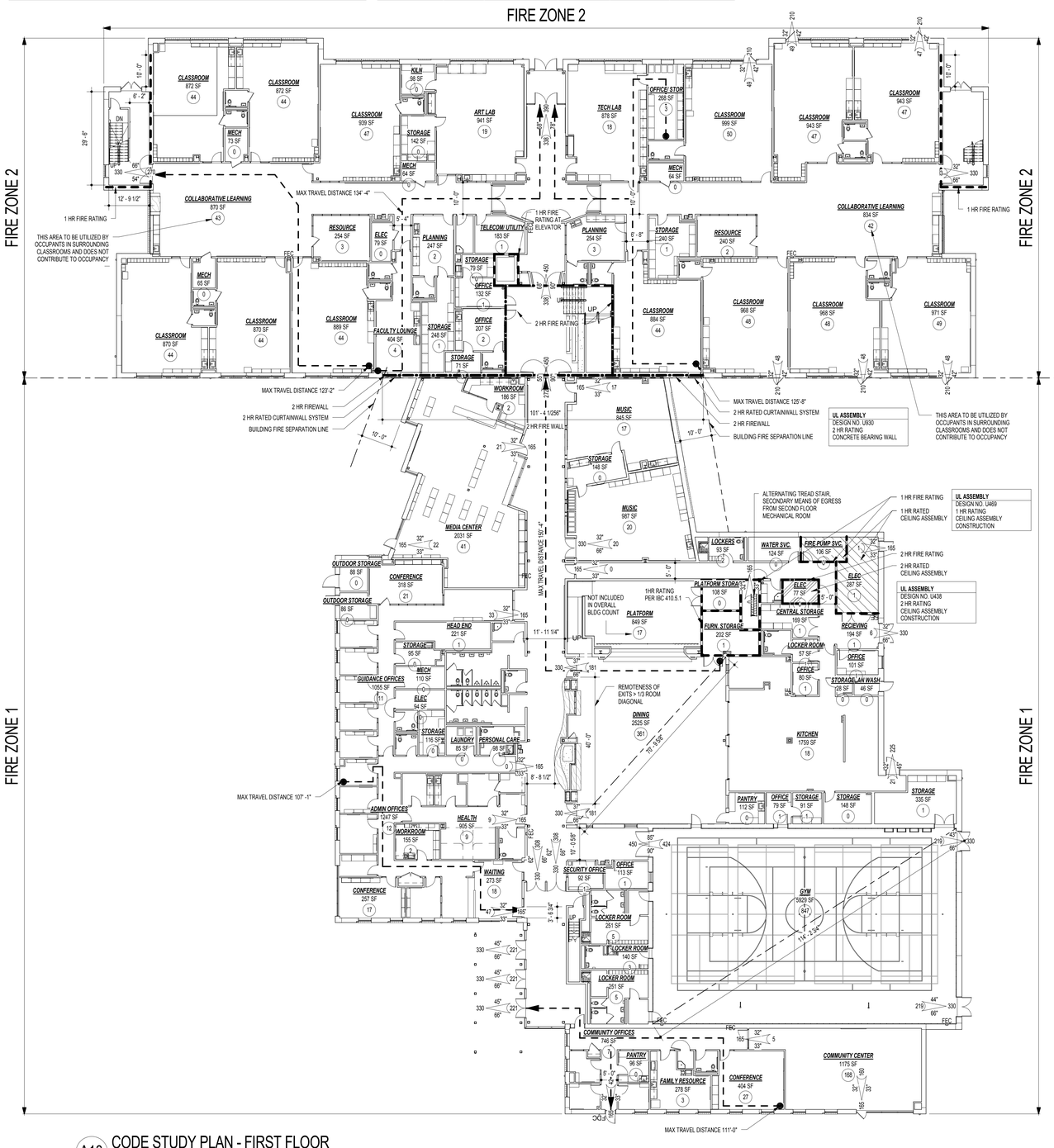
NOTES:

1. THE TABLE ABOVE TABULATES MINIMUM FIXTURE REQUIREMENTS FOR THE PROPOSED SCHOOL BASED ON PLANNED MAXIMUM SCHOOL CAPACITY.
2. PLUMBING FIXTURE CALCULATIONS ARE PER IPC 2012, 403.1
3. THE CALCULATIONS ASSUME THAT DURING SCHOOL DAY THAT THE SCHOOL IS OCCUPIED ONLY BY STUDENTS AND STAFF.
4. CALCULATIONS ASSUME THAT STUDENTS AND STAFF WILL BE EVENLY DISTRIBUTED ON ALL FLOORS.
5. PROVIDED DRINKING FOUNTAIN CALCULATION IS BASED ON NUMBER OF WATER FOUNTAIN IN CORRIDORS PLUS THE NUMBER OF BUBBLERS FOR DRINKING WATER PROVIDED AT THE SINKS IN CLASSROOMS

## FIRE ZONE 2 - BASEMENT OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ACCESSORY STORAGE / MECHANICAL EQUIPMENT | | | | | |
| MECHANICAL BASEMENT | 393 SF | 300 SF | GROSS | 1 | 0.3 |
| Grand total | | | | 1 | 0.3 |




A18 CODE STUDY PLAN - FIRST FLOOR
1/16" = 1'-0"

A8 MECHANICAL BASEMENT CODE STUDY PLAN
1/16" = 1'-0"

# CODE REVIEW

PROJECT NAME AND LOCATION

| | |
|---|---|
| NAME | HOLABIRD ACADEMY ELEMENTARY MIDDLE SCHOOL #229 |
| STREET ADDRESS | 1500 IMLA STREET |
| COUNTY | -- |
| CITY, STATE | BALTIMORE, MARYLAND |

PROJECT DESCRIPTION: NEW ELEMENTARY SCHOOL, THREE-STORY

APPLICABLE CODES

| | |
|---|---|
| Building Code: | INTERNATIONAL BUILDING CODE 2015 |
| Fire Code: | NFPA 101 LIFE SAFETY CODE 2015 |
| Accessibility: | AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG) AND MARYLAND ACCESSIBILITY CODE (COMAR.05.02.02 REV. 20002) |

BUILDING USE AND CONSTRUCTION CLASSIFICATIONS

| | | IBC Code | Fire Code |
|---|---|---|---|
| Use Group: | E EDUCATIONAL | 305.1 | 6.1.3 |

Building Area:

| | |
|---|---|
| MECH BASEMENT | 1015 SF |
| FIRST FLOOR | 61994 SF |
| SECOND FLOOR | 31323 SF |
| Grand total | 94332 SF |

| | |
|---|---|
| Proposed Type of Construction: | IBC TYPE IIB |
| Allowable Building Height: | 55'+20' (IBC TABLE 504.3, TABLE 504.4)+75' (MAX ALLOWABLE PER IBC 504.4), 3 Stories |
| Actual Building Height: | 48' MAXIMUM |

OCCUPANCY LOADS AND EGRESS REQUIREMENTS

| Location Calculated | Area in Sq. Ft. | Sq. Ft. per Person | Occupant Load | Egress Width Required | Egress Width Provided | Number Exits Required | Number Exits Provided |
|---|---|---|---|---|---|---|---|
| GYMNASIUM | 5929 | 7 | 849 | 17'2" | 27'2" | 3 | 3 |
| MEDIA CENTER | 2031 | 50 | 41 | 32" | 72" | 2 | 2 |
| DINING | 2523 | 7* | 361 | 72" | 136" | 2 | 2 |
| CLASSROOM | 847 | 20 | 43 | 32" | 33" | 1 | 1 |
| TECH LAB | 878 | 50 | 18 | 32" | 33" | 1 | 1 |
| MUSIC | 912 | 50 | 46 | 32" | 33" | 1 | 1 |

FIRE PROTECTION SYSTEM REQUIREMENTS

| | System | IBC Code | Fire Code |
|---|---|---|---|
| Automatic Sprinklers | YES | 903.2.3 | 9.7 |
| Fire Alarm System | YES | 907.2.3 | 9.6, 14.3.4 |
| Smoke Detection System | NO | -- | 9.6.2.9 |
| Partial Smoke Detection | YES | -- | 9.6.5.2 (1) |
| Location | DOORS WITH HOLD OPEN DEVICES | -- | -- |

INTERIOR FINISH REQUIREMENTS

Per IBC Table 803.11 & NFPA 14.3.3.2, 14.3.3.3

TRAVEL DISTANCE TO EXITS

| | IBC Code | Fire Code |
|---|---|---|
| Maximum Length of Travel in Fully Sprinklered Building | 250' (Table 1017.2) | 200' (14.2.6.3) |
| Maximum Length Common Path of Travel in Fully Sprinklered Building | 75' (Table 1006.2.1) | 100' (14.2.5.3.1) |
| Spaces with One Means of Egress, Maximum Travel Distance to an Exit Access Door | 75' (Table 1006.2.1) | 75' (14.2.5.5 (2)) |

MINIMUM CORRIDOR WIDTH REQUIREMENTS

| | IBC Code | Fire Code |
|---|---|---|
| Width | Table 1020.2 | 14-2.3.2 |
| 44 IN., CLR. STAIR WIDTH | 1011.2 | 7.2.2.2.1.2, 7.3.4 |

PANIC HARDWARE

Per IBC Code 1010.1.10 & NFPA 7.2.1.7, 14.2.2.2.2

ALL DOORS SERVING MORE THAN 50 & AT SMOKE BARRIER DOORS

EMERGENCY LIGHTING REQUIREMENTS

Per IBC Code 1008 & NFPA 7.9, 14.2.9

ALL MEANS OF EGRESS

FIRE RATING REQUIREMENTS- STRUCTURAL ELEMENTS/ EGRESS COMPONENTS

| | Rating Required | IBC Code | Fire Code |
|---|---|---|---|
| Exterior Bearing Walls | 0 | TABLE 601, TABLE 602 | TABLE A.8.2.1.2 |
| Exterior Non-Bearing Walls | 0 | TABLE 602 | TABLE A.8.2.1.2 |
| Fire Walls | 2 | TABLE 706.4 | TABLE A.8.2.1.2 |
| Interior Bearing Walls | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Floor/ Ceiling Assemblies | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Roof/ Ceiling Assemblies | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Columns | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Beams | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Egress Corridors | 0 | TABLE 1020.1 | 7.1.3.1, 14.3.6 |
| Shafts (Stairs) | 1 | 1023.2 | 7.1.3.2.1 |
| Shafts Other than Stairs | 1 | 713.4 | 8.6.5 |
| Corridor Doors | 0 | 716.5.3, Table 1020.1 | 14.3.6 |
| Smoke Barrier | 1 | 709.3 | 8.5 |
| Smoke Partitions | 0 | 710.3 | 8.4, 14.3.7, 14.3.6 (2)(a) |
| Smoke Barrier Doors | 20 MIN. | 710.5.2, 716.5.3 | 8.5 |
| Mixed Use Separation | 1 or Auto Fire Extinguishing System | 508, TABLE 508.4 | -- |

EGRESS WIDTH

| | IBC Code | Fire Code |
|---|---|---|
| Width | | |
| Egress width at stairs | .3"/OCC. (1005.3.1) | .3"/OCC. (TABLE 7.3.3.1) |
| Egress width at doors and corridors | .15"/OCC. (1005.3.2, Exception 1) | 2"/OCC.(TABLE 7.3.3.1) |

NUMBER OF REMOTE EXITS REQUIRED

| By Room | IBC Code | Fire Code |
|---|---|---|
| Rooms Less Than 50 Occupants | 1 Exit (Table 1006.2.1) | -- |
| Rooms with 50 - 500 Occupants | 2 Exits (1006.2.1) | -- |
| Rooms with 501 - 1000 Occupants | 3 Exits (1006.2.1.1) | -- |
| Rooms with More than 1000 Occupants | 4 Exits (1006.2.1.1) | -- |

| By Story | IBC Code | Fire Code |
|---|---|---|
| 1 - 500 Occupants | 2 Exits (Table 1006.3.1) | 2 Exits, 14.2.4 |
| 501 - 1000 Occupants | 3 Exits (Table 1006.3.1) | 3 Exits, 7.4.1.2 |
| More than 1000 Occupants | 4 Exits (Table 1006.3.1) | 4 Exits, 7.4.1.2 |

REMOTENESS OF EXITS

Life Safety A.7.5.1.3.3 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)

IBC 1007.1.1 Exception 2 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)

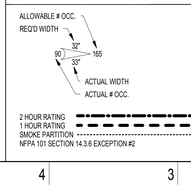
MAXIMUM DEAD END DISTANCES

| | IBC Code | Fire Code |
|---|---|---|
| | 50 FT. (1020.4) Exception 2 | 50 FT. (14.2.5.2) |

NOTES:

1. Mixed use separation walls shall have 45 minute rated opening protectives.
2. All fire separation walls shall comply with Section 708.4 of the 2015 IBC Code. They shall extend from the top of the fire resistance rated floor/ ceiling assembly below to the underside of the floor or roof slab or deck above and shall be securely attached thereto.
3. All fire walls shall comply with Section 706 of the 2015 IBC Code.
4. Elevator shaft to be (2) hour rated - UL#U906
5. Exterior walls indicated to provide (1) hour rating (UL# U906) - At stairs and fire walls where exterior walls form an angle less than 180 degrees, the exterior wall shall be rated at stairs per L.S. 7.2.2.5.2, and at fire walls per IBC 1023.7.
6. Stair enclosures are (1) hour rated, unless noted otherwise.
7. Refer to 1/8" plans & coord. w/ MEP drawings for chases thru floor shown thus enclosure wall around these floor opn'gs. shall be (1) hour rated & shall extend from floor tight to deck above - pack w/ safing insulation rating shall be as follows:
   CMU - U.L. #U906
   Gyp. Bd. - Gypsum Assoc. assembly WP1110
   Gyp. Bd. - Gypsum Assoc. assembly WP1110
8. Refer to sheet A-3.20 for wall termination details at rated walls.
9. Refer to the Door Schedule for doors with closers required.
10. All rated walls and partitions shall be permanently identified with signs or stenciling as follows:
    a. Identification markings shall be located in accessible concealed floor, floor-ceiling and attic spaces.
    b. Identification markings shall be located within 15'-0" of the end of each wall and at intervals not exceeding 30'-0" measured horizontally along the wall or partition.
    c. Lettering shall not be less than 3" in height with a minimum 3/8" stroke in contrasting color incorporating the following wording: "FIRE AND/OR SMOKE BARRIER - PROTECT ALL OPENINGS".
11. No penetration of rated ceiling assemblies is allowed.

## SYMBOL KEY




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GRIMM AND PARKER

GP# 21553

CODE STUDY - GROUND AND FIRST FLOOR
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

**A-0.2H**
03/13/2017
BID SET

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## FIRE ZONE 2 - SECOND FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ACCESSORY STORAGE / MECHANICAL EQUIPMENT | | | | | |
| MECH | 77 SF | 300 SF | GROSS | 0 | 0.1 |
| SCIENCE PREP | 160 SF | 300 SF | GROSS | 1 | 0.1 |
| MECH/ UTILITY | 365 SF | 300 SF | GROSS | 1 | 0.2 |
| MECH | 384 SF | 300 SF | GROSS | 1 | 0.3 |
| MECH | 129 SF | 300 SF | GROSS | 0 | 0.1 |
| MECH | 124 SF | 300 SF | GROSS | 0 | 0.1 |
| STORAGE | 230 SF | 300 SF | GROSS | 1 | 0.2 |
| STORAGE | 230 SF | 300 SF | GROSS | 1 | 0.2 |
| MECH | 78 SF | 300 SF | GROSS | 0 | 0.1 |
| | | | | 6 | 1.2 |
| BUSINESS AREAS | | | | | |
| RESOURCE | 250 SF | 100 SF | GROSS | 3 | 0.5 |
| PLANNING | 243 SF | 100 SF | GROSS | 2 | 0.5 |
| PLANNING | 233 SF | 100 SF | GROSS | 2 | 0.5 |
| RESOURCE | 256 SF | 100 SF | GROSS | 3 | 0.5 |
| | | | | 10 | 2.0 |
| EDUCATIONAL (CLASSROOM) | | | | | |
| CLASSROOM | 934 SF | 20 SF | NET | 47 | 9.3 |
| CLASSROOM | 887 SF | 20 SF | NET | 44 | 8.9 |
| CLASSROOM | 882 SF | 20 SF | NET | 44 | 8.8 |

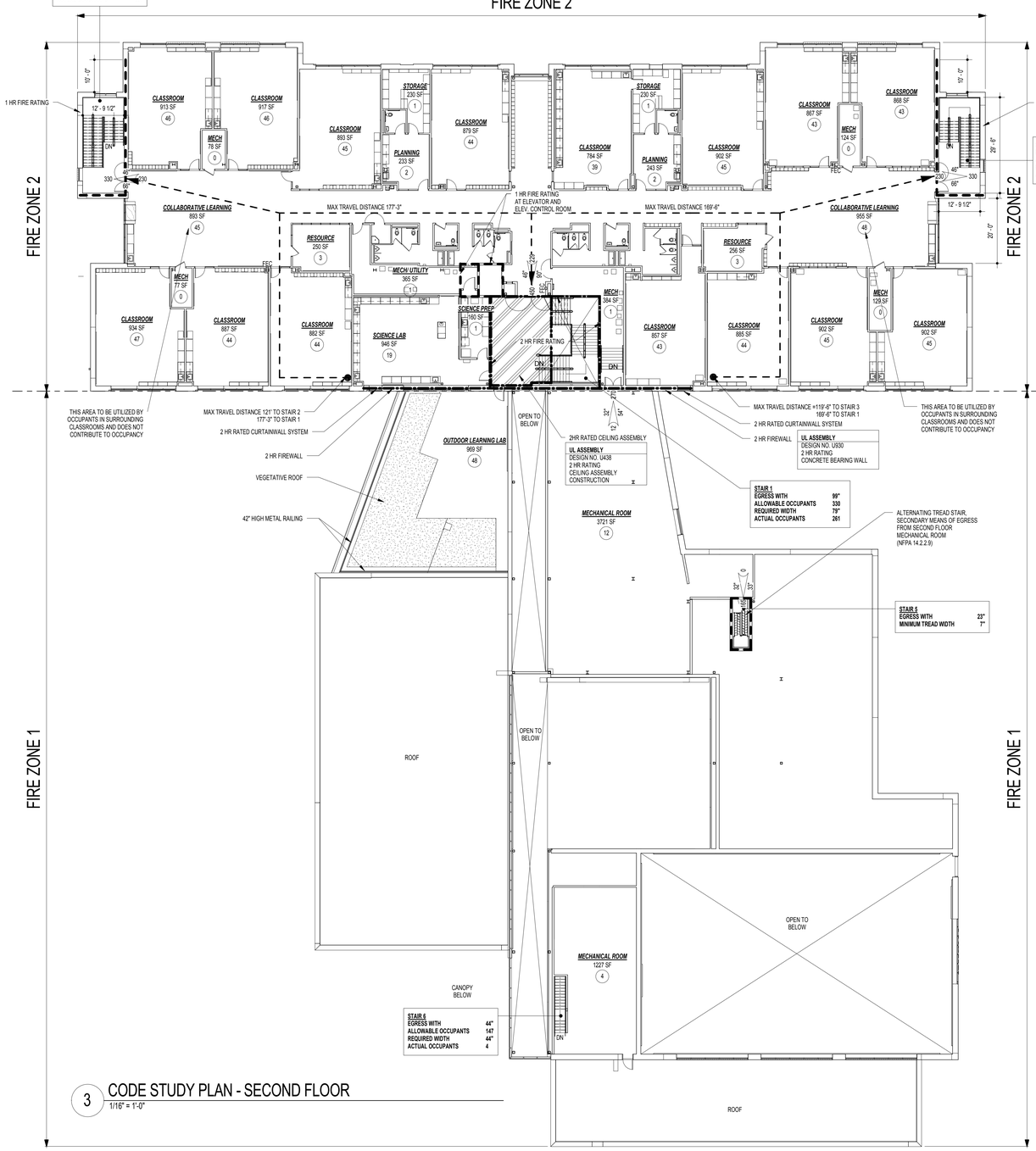
## FIRE ZONE 2 - SECOND FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| CLASSROOM | 857 SF | 20 SF | NET | 43 | 8.6 |
| CLASSROOM | 885 SF | 20 SF | NET | 44 | 8.9 |
| CLASSROOM | 902 SF | 20 SF | NET | 45 | 9.0 |
| CLASSROOM | 902 SF | 20 SF | NET | 45 | 9.0 |
| COLLABORATIVE LEARNING | 955 SF | 20 SF | NET | 48 | 9.5 |
| CLASSROOM | 868 SF | 20 SF | NET | 43 | 8.7 |
| CLASSROOM | 867 SF | 20 SF | NET | 43 | 8.7 |
| CLASSROOM | 902 SF | 20 SF | NET | 45 | 9.0 |
| CLASSROOM | 784 SF | 20 SF | NET | 39 | 7.8 |
| CLASSROOM | 879 SF | 20 SF | NET | 44 | 8.8 |
| CLASSROOM | 893 SF | 20 SF | NET | 45 | 8.9 |
| CLASSROOM | 917 SF | 20 SF | NET | 46 | 9.2 |
| CLASSROOM | 913 SF | 20 SF | NET | 46 | 9.1 |
| COLLABORATIVE LEARNING | 893 SF | 20 SF | NET | 45 | 8.9 |
| | | | | 756 | 151.2 |
| EDUCATIONAL (VOCATIONAL) | | | | | |
| SCIENCE LAB | 946 SF | 50 SF | NET | 19 | 3.8 |
| | | | | 19 | 3.8 |
| Grand total | | | | 791 | 158.1 |

## FIRE ZONE 1 - SECOND FLOOR OCCUPANCY SUMMARY

| AREA NAME | AREA (SF) | AREA PER OCCUPANT (SF) | GROSS OR NET | OCCUPANCY LOAD | EGRESS WIDTH REQ'D |
|---|---|---|---|---|---|
| ACCESSORY STORAGE / MECHANICAL EQUIPMENT | | | | | |
| MECHANICAL ROOM | 3721 SF | 300 SF | GROSS | 12 | 2.5 |
| MECHANICAL ROOM | 1227 SF | 300 SF | GROSS | 4 | 0.8 |
| | | | | 16 | 3.3 |
| EDUCATIONAL (CLASSROOM) | | | | | |
| OUTDOOR LEARNING LAB | 969 SF | 20 SF | NET | 48 | 9.7 |
| | | | | 48 | 9.7 |
| Grand total | | | | 65 | 13.0 |

**STAIR 3**
**EGRESS WIDTH** 72"
**ALLOWABLE OCCUPANTS** 240
**REQUIRED WIDTH** 72"
**ACTUAL OCCUPANTS** 231




3 CODE STUDY PLAN - SECOND FLOOR
1/16" = 1'-0"

## FIRE ZONE 2

| | |
|---|---|
| OCCUPANCY | 1,546 |
| USE GROUP | E |
| CONSTRUCTION TYPE | II-B |
| NUMBER OF STORIES | 3 |
| BASEMENT FLOOR | 1,023 SF |
| FIRST FLOOR | 27,628 SF |
| SECOND FLOOR | 26,373 SF |
| TOTAL BUILDING AREA | 54,024 SF |
| ALLOWABLE AREA PER STORY | 43,500 SF (TABLE 506.2) |
| % INCREASE FOR ACCESS: 38.86% | 5,635 SF (506.3) |
| TOTAL ALLOWABLE AREA PER STORY | 49,135 SF |
| TOTAL ALLOWABLE BUILDING AREA | **98,263 SF** |

## FIRE ZONE 1

| | |
|---|---|
| OCCUPANCY | 1,722 |
| USE GROUP | E |
| CONSTRUCTION TYPE | II-B |
| NUMBER OF STORIES | 2 |
| FIRST FLOOR | 34,366 SF |
| SECOND FLOOR | 4,655 SF |
| TOTAL BUILDING AREA | 39,021 SF |
| ALLOWABLE AREA PER STORY | 43,500 SF (TABLE 506.2) |
| % INCREASE FOR ACCESS: 45.00% | 6,525 SF (506.3) |
| TOTAL ALLOWABLE AREA PER STORY | 50,025 SF |
| TOTAL ALLOWABLE BUILDING AREA | **100,050 SF** |

# CODE REVIEW

PROJECT NAME AND LOCATION
- NAME: HOLABIRD ACADEMY ELEMENTARY MIDDLE SCHOOL #229
- STREET ADDRESS: 1500 IMLA STREET
- COUNTY: --
- CITY, STATE: BALTIMORE, MARYLAND

PROJECT DESCRIPTION: NEW ELEMENTARY SCHOOL, THREE-STORY

APPLICABLE CODES
- Building Code: INTERNATIONAL BUILDING CODE 2015
- Fire Code: NFPA 101 LIFE SAFETY CODE 2015
- Accessibility: AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG) AND MARYLAND ACCESSIBILITY CODE (COMAR.05.02.02 REV. 20002)

BUILDING USE AND CONSTRUCTION CLASSIFICATIONS

| | | IBC Code | Fire Code |
|---|---|---|---|
| Use Group: | E EDUCATIONAL | 305.1 | 6.1.3 |

Building Area:

| | |
|---|---|
| MECH BASEMENT | 1015 SF |
| FIRST FLOOR | 61994 SF |
| SECOND FLOOR | 31323 SF |
| Grand total | 94332 SF |

- Proposed Type of Construction: IBC TYPE IIB
- Allowable Building Height: 55'+20' (IBC TABLE 504.3, TABLE 504.4)=75' (MAX ALLOWABLE PER IBC 504.4), 3 Stories
- Actual Building Height: 48' MAXIMUM

OCCUPANCY LOADS AND EGRESS REQUIREMENTS

| Location Calculated | Area in Sq. Ft. | Sq. Ft. per Person | Occupant Load | Egress Width Required | Egress Width Provided | Number Exits Required | Number Exits Provided |
|---|---|---|---|---|---|---|---|
| GYMNASIUM | 5929 | 7 | 849 | 172" | 272" | 3 | 3 |
| MEDIA CENTER | 2031 | 50 | 41 | 32" | 72" | 2 | 2 |
| DINING | 2523 | 7* | 361 | 72" | 136" | 2 | 2 |
| CLASSROOM | 847 | 20 | 43 | 32" | 33" | 1 | 1 |
| TECH LAB | 878 | 50 | 18 | 32" | 33" | 1 | 1 |
| MUSIC | 912 | 50 | 46 | 32" | 33" | 1 | 1 |

FIRE PROTECTION SYSTEM REQUIREMENTS

| | System | IBC Code | Fire Code |
|---|---|---|---|
| Automatic Sprinklers | YES | 903.2.3 | 9.7 |
| Fire Alarm System | YES | 907.2.3 | 9.6, 14.3.4 |
| Smoke Detection System | NO | -- | 9.6.2.9 |
| Partial Smoke Detection | YES | -- | 9.6.5.2 (1) |
| Location | DOORS WITH HOLD OPEN DEVICES | -- | -- |

INTERIOR FINISH REQUIREMENTS
Per IBC Table 803.11 & NFPA 14.3.3.2, 14.3.3.3

TRAVEL DISTANCE TO EXITS

| | IBC Code | Fire Code |
|---|---|---|
| Maximum Length of Travel in Fully Sprinklered Building | 250' (Table 1017.2) | 200' (14.2.6.3) |
| Maximum Length Common Path of Travel in Fully Sprinklered Building | 75' (Table 1006.2.1) | 100' (14.2.5.3.1) |
| Spaces with One Means of Egress, Maximum Travel Distance to an Exit Access Door | 75' (Table 1006.2.1) | 75' (14.2.5.5 (2)) |

MINIMUM CORRIDOR WIDTH REQUIREMENTS

| Width | IBC Code | Fire Code |
|---|---|---|
| 6 FT., EXIT CORRIDOR | Table 1020.2 | 14-2.3.2 |
| 44 IN., CLR. STAIR WIDTH | 1011.2 | 7.2.2.2.1.2, 7.3.4 |

PANIC HARDWARE
Per IBC Code 1010.1.10 & NFPA 7.2.1.7, 14.2.2.2.2
ALL DOORS SERVING MORE THAN 50 & AT SMOKE BARRIER DOORS

EMERGENCY LIGHTING REQUIREMENTS
Per IBC Code 1008 & NFPA 7.9, 14.2.9
ALL MEANS OF EGRESS

FIRE RATING REQUIREMENTS- STRUCTURAL ELEMENTS/ EGRESS COMPONENTS

| | Rating Required | IBC Code | Fire Code |
|---|---|---|---|
| Exterior Bearing Walls | 0 | TABLE 601, TABLE 602 | TABLE A.8.2.1.2 |
| Exterior Non-Bearing Walls | 0 | TABLE 602 | TABLE A.8.2.1.2 |
| Fire Walls | 2 | TABLE 706.4 | TABLE A.8.2.1.2 |
| Interior Bearing Walls | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Floor/ Ceiling Assemblies | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Roof/ Ceiling Assemblies | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Columns | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Beams | 0 | TABLE 601 | TABLE A.8.2.1.2 |
| Egress Corridors | 0 | TABLE 1020.1 | 7.1.3.1, 14.3.6 |
| Shafts (Stairs) | 1 | 1023.2 | 7.1.3.2.1 |
| Shafts Other than Stairs | 1 | 713.4 | 8.6.5 |
| Corridor Doors | 0 | 716.5.3, Table 1020.1 | 14.3.6 |
| Smoke Barrier | 1 | 709.3 | 8.5 |
| Smoke Partitions | 0 | 710.3 | 8.4, 14.3.7, 14.3.6 (2)(a) |
| Smoke Barrier Doors | 20 MIN. | 710.5.2, 716.5.3 | 8.5 |
| Mixed Use Separation | 1 or Auto Fire Extinguishing System. | 508, TABLE 508.4 | -- |

EGRESS WIDTH

| Width | IBC Code | Fire Code |
|---|---|---|
| Egress width at stairs | .3"/OCC. (1005.3.1) | .3"/OCC. (TABLE 7.3.3.1) |
| Egress width at doors and corridors | .15"/OCC. (1005.3.2, Exception 1) | .2"/OCC.(TABLE 7.3.3.1) |

NUMBER OF REMOTE EXITS REQUIRED

| By Room | IBC Code | Fire Code |
|---|---|---|
| Rooms Less Than 50 Occupants | 1 Exit (Table 1006.2.1) | -- |
| Rooms with 50 - 500 Occupants | 2 Exits (1006.2.1) | -- |
| Rooms with 501 - 1000 Occupants | 3 Exits (1006.2.1.1) | -- |
| Rooms with More than 1000 Occupants | 4 Exits (1006.2.1.1) | -- |
| **By Story** | **IBC Code** | **Fire Code** |
| 1 - 500 Occupants | 2 Exits (Table 1006.3.1) | 2 Exits, 14.2.4 |
| 501 - 1000 Occupants | 3 Exits (Table 1006.3.1) | 3 Exits, 7.4.1.2 |
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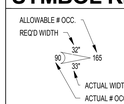
REMOTENESS OF EXITS
Life Safety A.7.5.1.3.3 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)
IBC 1007.1.1 Exception 2 - 1/3 the Length of Maximum Room Diagonal (Credit for Sprinklered Building)

MAXIMUM DEAD END DISTANCES

| IBC Code | Fire Code |
|---|---|
| 50 FT. (1020.4) Exception 2 | 50 FT. (14.2.5.2) |

NOTES:
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2. All fire separation walls shall comply with Section 708.4 of the 2015 IBC Code. They shall extend from the top of the fire resistance rated floor/ ceiling assembly below to the underside of the floor or roof slab or deck above and shall be securely attached thereto.
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11. No penetration of rated ceiling assemblies is allowed.

# SYMBOL KEY




2 HOUR RATING
1 HOUR RATING
SMOKE PARTITION
NFPA 101 SECTION 14.3.6 EXCEPTION #2
2 HOUR CEILING ASSEMBLY
1 HOUR CEILING ASSEMBLY
N

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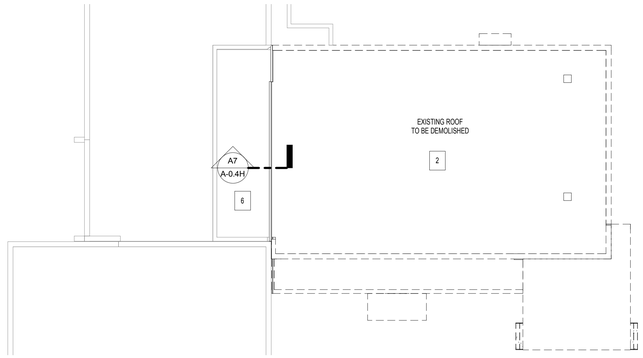
CODE STUDY - SECOND FLOOR
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

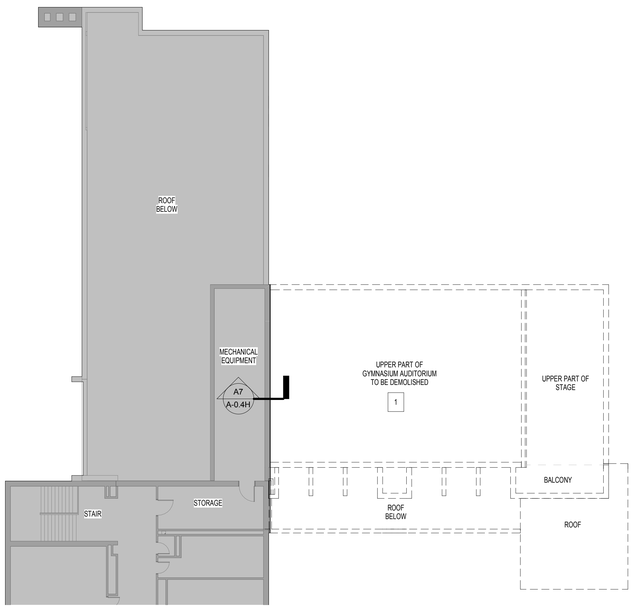
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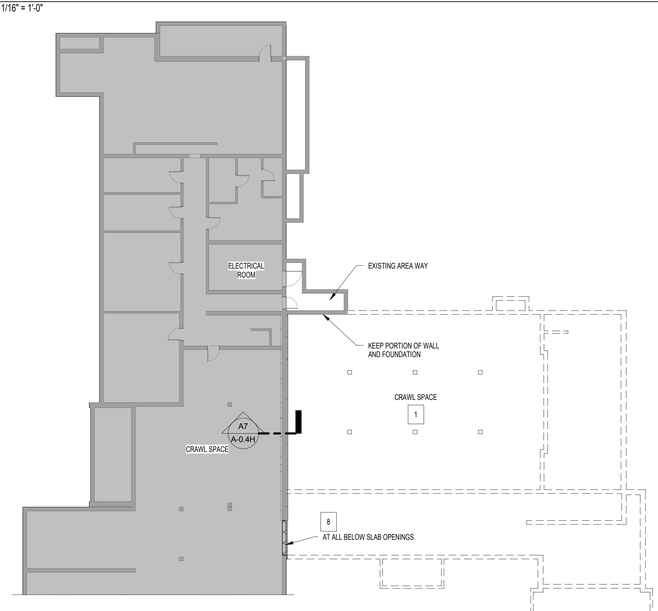
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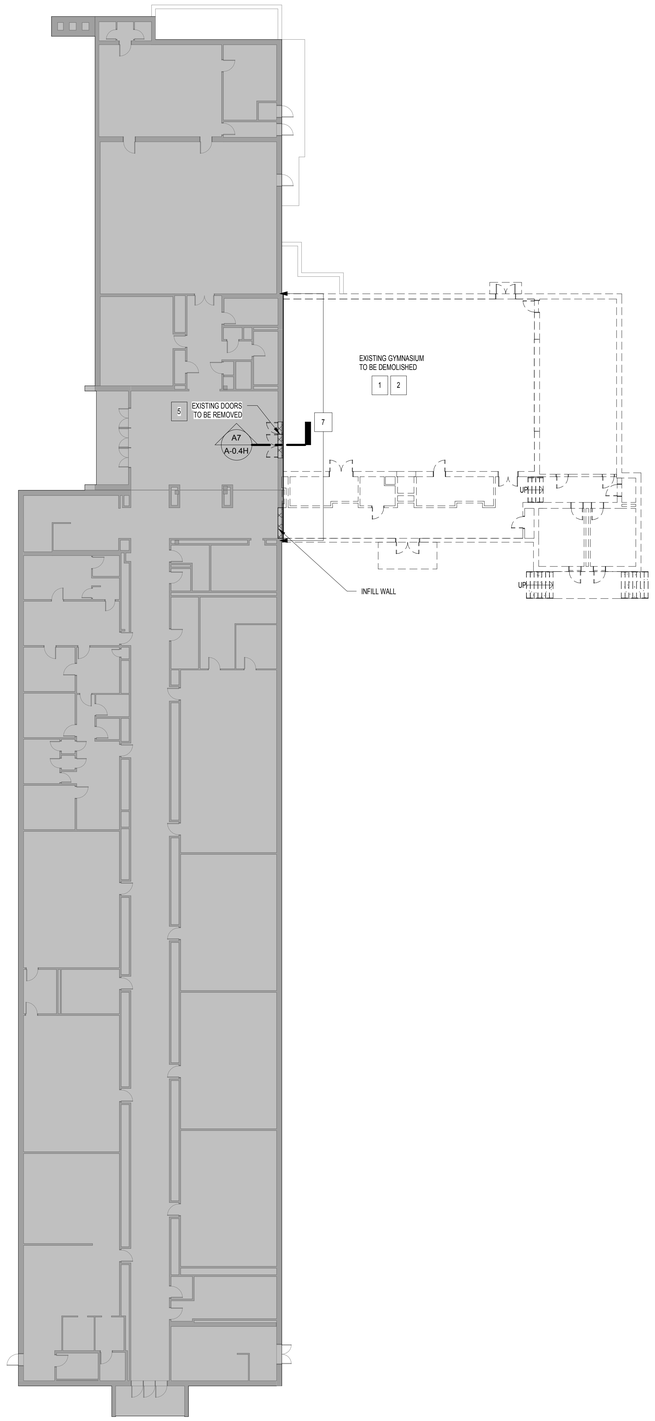

K18 SELECTIVE DEMOLISHED PLAN - ROOF PLAN
1/16" = 1'-0"



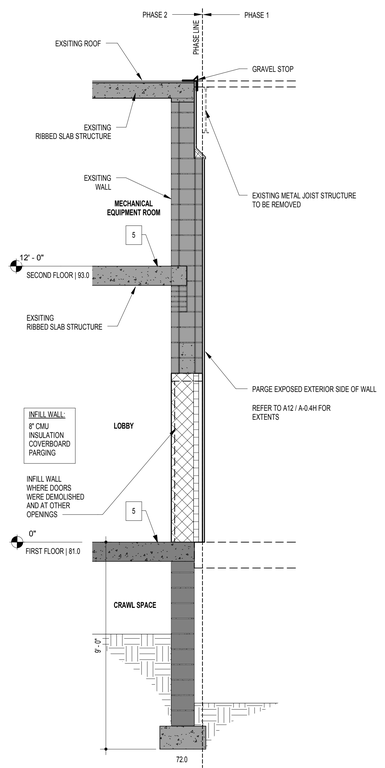

E18 SELECTIVE DEMOLITION PLAN - SECOND FLOOR
1/16" = 1'-0"




A18 SELECTIVE DEMOLITION PLAN - BASEMENT
1/16" = 1'-0"




A12 OVERALL DEMOLITION PLAN - FIRST FLOOR
1/16" = 1'-0"




A7 TEMPORARY EXT. WALL @ GYM
3/8" = 1'-0"

# GENERAL DEMOLITION NOTES

1. ALL WORK SHOWN IS EXISTING TO REMAIN UNLESS NOTED OR INDICATED AS DASHED LINES TO BE REMOVED. THE EXTENT OF DEMOLITION WORK SHALL INCLUDE ALL INCIDENTAL DEMOLITION WORK NECESSARY TO PROPERLY PROVIDE ALL NEW WORK SHOWN AND SPECIFIED, TO INCLUDE MECHANICAL, ELECTRICAL, & PLUMBING ITEMS.
2. DEMOLITION WORK SHOWN IS BASED ON EXISTING DRAWINGS AND INSPECTIONS. THE CONTRACTOR SHALL VISUALLY INSPECT ALL EXISTING CONDITIONS, AND IS RESPONSIBLE FOR PERFORMING THE INDICATED DEMOLITION WORK EVEN IF ACTUAL CONDITIONS DIFFER FROM THESE SHOWN ON THE DRAWINGS.
3. DEMOLITION CONTRACTOR SHALL COORDINATE WITH NEW WORK SECTIONS FOR ADDITIONAL INFORMATION RELATED TO EXTENT OF DEMOLITION.
4. REFER TO ALL OTHER DRAWINGS IN THIS SET FOR INCIDENTAL DEMOLITION WORK NOT NOTED ON THE DEMOLITION PLANS.
5. THE OWNER HAS FIRST RIGHT OF REFUSAL OF ALL SALVAGE ITEMS. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL CONSTRUCTION DEBRIS. DO NOT STOCKPILE DEBRIS ON SITE.
6. ITEMS TO BE DEMOLISHED SHALL BE REMOVED COMPLETELY INCLUDING ALL ANCHORS, HANGERS, FASTENERS, PIPES, CONDUCTS, DUCTS, ETC. UNLESS OTHERWISE INDICATED TO BE ABANDONED IN PLACE.
7. CONC. SLAB PATCHES MUST BE FLUSH WITH REMAINING SURFACES TO PERMIT APPLICATION OF FINISHES. PROVIDE WELDED WIRE MESH IN PATCH AREAS LARGER THAT (4) FOUR SQUARE FEET.
8. CONC. SLABS TO REMAIN SHALL BE PATCHED, SCRAPED, LEVELED, AD CLEANED TO PROVIDE SURFACE SUITABLE FOR NEW FINISHES. WHERE RENOVATED AREAS ARE RECEIVING NEW UNDERGROUND MECHANICAL, PLUMBING, ELECTRICAL, OR ADDITIONAL FOUNDATION WORK, SEE MECHANICAL, PLUMBING, ELECTRIC, AND STRUCTURAL DRAWINGS, AS WELL AS ARCHITECTURAL DRAWINGS TO DETERMINE EXTENT OF REQUIRED CUT AND PATCH OF EXISTING SLAB. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CONC. SLAB DEMOLITION AND REPLACEMENT NECESSARY TO INSTALL THE NEW WORK. BACKFILL ALL BELOW GRADE DEMOLITION WORK WITH SUITABLE FILL MEETING STRUCTURAL REQUIREMENTS FOR NEW WORK.
9. PARTITIONS SHOWN TO BE REMOVED SHALL BE CONFIRMED BY THE CONTRACTOR AS TO TYPE OF PARTITION AND EXACT LOCATION. COMPLETELY REMOVE PARTITIONS FROM FLOOR TO STRUCTURE ABOVE INCLUDING BASE. ALL FASTENERS, GROUTS, SEAL ANTS, ETC., UNLESS NOTED OTHERWISE. MASONRY PARTITIONS WHICH EXTEND THROUGH THE SLAB SHALL BE REMOVED TO 8" BELOW FINISH FLOOR. FILL SLAB OPENING WITH CONCRETE FILL TO RECEIVE FINISH FLOOR. WHERE WALLS SCHEDULED TO BE REMOVED SIT ON SLABS, GRIND SLAB TO RECEIVE FINISH FLOOR.
10. REMOVE, PATCH AND REPAIR PORTIONS OF WALL PARTITIONS WHICH CONFLICT WITH NEW WORK TO BE INSTALLED, EVEN IF NOT SPECIFICALLY NOTED TO BE DEMOLISHED ON PLANS.
11. WALLS TO BE REMOVED FROM INTERSECTING WALLS SHALL INCLUDE TOOTHED IN REPLACEMENT OF DAMAGED MASONRY ON WALL TO REMAIN AND REMOVAL OF TIES PROJECTING FROM WALLS. SEE DETAILS FOR ADDITIONAL CONDITIONS.
12. WALLS TO BE PARTIALLY REMOVED SHALL BE TERMINATED WITH FINISHED MASONRY ENDS BY TOOTHING IN NEW MASONRY UNITS, TO MATCH ADJACENT MASONRY. SEE DETAILS FOR OTHER CONDITIONS. NO WALLS SHALL BE TERMINATED WITH EXPOSED OPEN CELLS OR DAMAGED MASONRY UNITS.
13. WHERE NEW OPENINGS ARE SHOWN IN EXISTING WALLS, CAREFULLY REMOVE MASONRY TO NEAREST JOINT LINE WITHOUT DISTURBING ADJACENT WORK SO THAT NEW WORK CAN BE PATCHED IN TO MATCH. ALL NEW MASONRY WORK SHALL BE TOOTHED IN.
14. ALL EXISTING STRUCTURE SHALL REMAIN, UNLESS NOTED OTHERWISE.
15. COORDINATE DEMOLITION OF ALL STRUCTURAL ITEMS (COLUMNS, BEAMS, SLABS, ET, ETC.) WITH STRUCTURAL DWGS. EXTENT OF DEMOLITION AREA SHALL BE IN ACCORDANCE WITH STRUCTURAL REQUIREMENTS AND COORDINATED WITH ALL NEW WORK.
16. TEMPORARILY SUPPORT ALL BEAMS, LINTELS, PORTIONS OF WALLS ETC., TO BE DISTURBED BY DEMOLITION WORK, UNTIL THEY ARE RE-SUPPORTED BY NEW WORK.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF EXISTING BUILDING ELEMENTS TO REMAIN THROUGHOUT SEQUENCE OF WORK. ANY DAMAGE TO EXISTING BUILDING CONDITIONS SHOWN TO REMAIN SHALL BE RESTORED TO NEW WORK CONDITION AT NO ADDITIONAL COST TO THE OWNER.
18. WINDOWS SCHEDULED FOR REMOVAL SHALL BE REMOVED COMPLETELY. FASTENERS MAY BE CUT FLUSH WITH HEAD, JAMBS, AND SILLS IF THE NEW WINDOW UNIT WILL CONCEAL FASTENER. PROTECT EXISTING SILLS SCHEDULED TO REMAIN. ALL EXISTING WINDOW OPENINGS MUST BE FIELD MEASURED PRIOR TO SUBMITTAL OF SHOP DRAWINGS.
19. WERE FINISHES ARE INDICATED TO BE REMOVED, REMOVAL SHALL INCLUDE ANY GROUT, ADHESIVES, FASTENERS, AND ALL OTHER ITEMS USED TO ATTACH THE FINISHES TO THE SURFACES THAT THEY COVER.
20. ANY FLOOR AREAS DAMAGED BY THE DEMOLITION CONTRACTOR SHALL BE PATCHED TO MATCH EXISTING.
21. WHERE CEILINGS ARE TO BE REMOVED, REMOVE ALL CEILINGS SYSTEMS COMPLETE INCLUDING GRID, TRIM HANGER, CLIPS, ETC. WHERE NEW CEILINGS ARE SPECIFIED, NO DOUBLE CEILINGS PERMITTED. REMOVE ALL ORIGINAL CONCEALED CEILINGS WHERE ENCOUNTERED.
22. ALL EXISTING SURFACES TO REMAIN SHALL BE PROTECTED, PATCHED IF DAMAGED AND CLEANED PRIOR TO APPLICATION OF FINISHES.
23. CONTRACTOR TO PROTECT ALL EQUIPMENT AND OTHER ELEMENTS IN AREA OF NEW OR DEMOLITION WORK.
24. REMOVE ALL CURTAINS AND BLINDS IN AREAS OF RENOVATION OR DEMOLITION, UNLESS NOTED OTHERWISE.
25. REMOVE MECHANICAL, ELECTRICAL AND PLUMBING ITEMS AS NOTED ON MECHANICAL, ELECTRICAL AND PLUMBING PLANS. COORDINATE WITH CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING, FOR ADDITIONAL DEMOLITION NOTES. REMOVAL WORK IS INTENDED TO INCLUDE ALL ASSOCIATED ITEMS SUCH AS ELECTRICAL OUTLETS, SWITCHES, CONDUITS, CONTROLS, PIPING, MOUNTING BLOCKS, ETC., AS NOTED. THE CONTRACTOR SHALL REFER TO ALL CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR PROCEDURES CONCERNING RELATED TRADES IN AREAS WHICH REQUIRE DEMOLITION. REPAIR AND PATCH ANY AREAS DAMAGED DURING REMOVAL WORK.

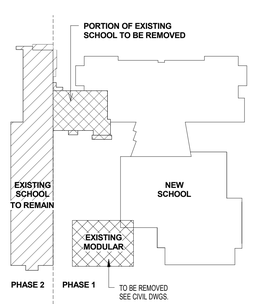
# DEMOLITION KEY NOTES

1. REMOVE EXISTING STRUCTURE COMPLETELY, INCLUDING ROOF, WALLS, SLABS, DOORS, WINDOWS, FRAMES & FOUNDATION. REFER TO STRUCTURAL DWGS.
2. REMOVE ROOF STRUCTURE, ROOFING AND FLASHING COMPLETELY.
3. REMOVE ALL FINISHES INCLUDING FLOORING, FIXTURES, CASEWORK, SHELVING, BASE, CHALK & TACK BOARDS, PROJECTION SCREEN, WINDOW TREATMENT, SINKS, PLUMBING FIXTURES, CHASES, MECHANICAL UNITS, ELECTRICAL ITEMS, CEILING & CEILING SUPPORT MEMBERS & ALL BULKHEADS. COORD. W/ M.E.P. FOR ADDITIONAL DEMO.
4. REMOVE EXHAUST COORD. W/ M.E.P. DWGS. FOR EXISTING OPENINGS TO BE REUSED. ABANDONED PENETRATIONS SHALL BE INFILLED PER DETAILS.
5. EXISTING FLOOR FINISH TO REMAIN. PROTECT DURING CONSTRUCTION. SEE NEW WORK PLANS FOR AREAS TO PATCH.
6. EXISTING ROOF TO REMAIN
7. EXTENT OF EXISTING WALL TO BE PARGED
8. 8" CMU INFILL AT OPENING WITH PARGING

# DEMOLITION KEY

- EXISTING WALL
- NEW / TEMPORARY INFILL WALL
- EXISTING WALL TO BE DEMOLISHED
- EXISTING DOOR & FRAME TO BE REMOVED
- EXISTING COLUMN
- EXISTING COLUMN TO BE DEMOLISHED

# DEMOLITION KEY PLAN




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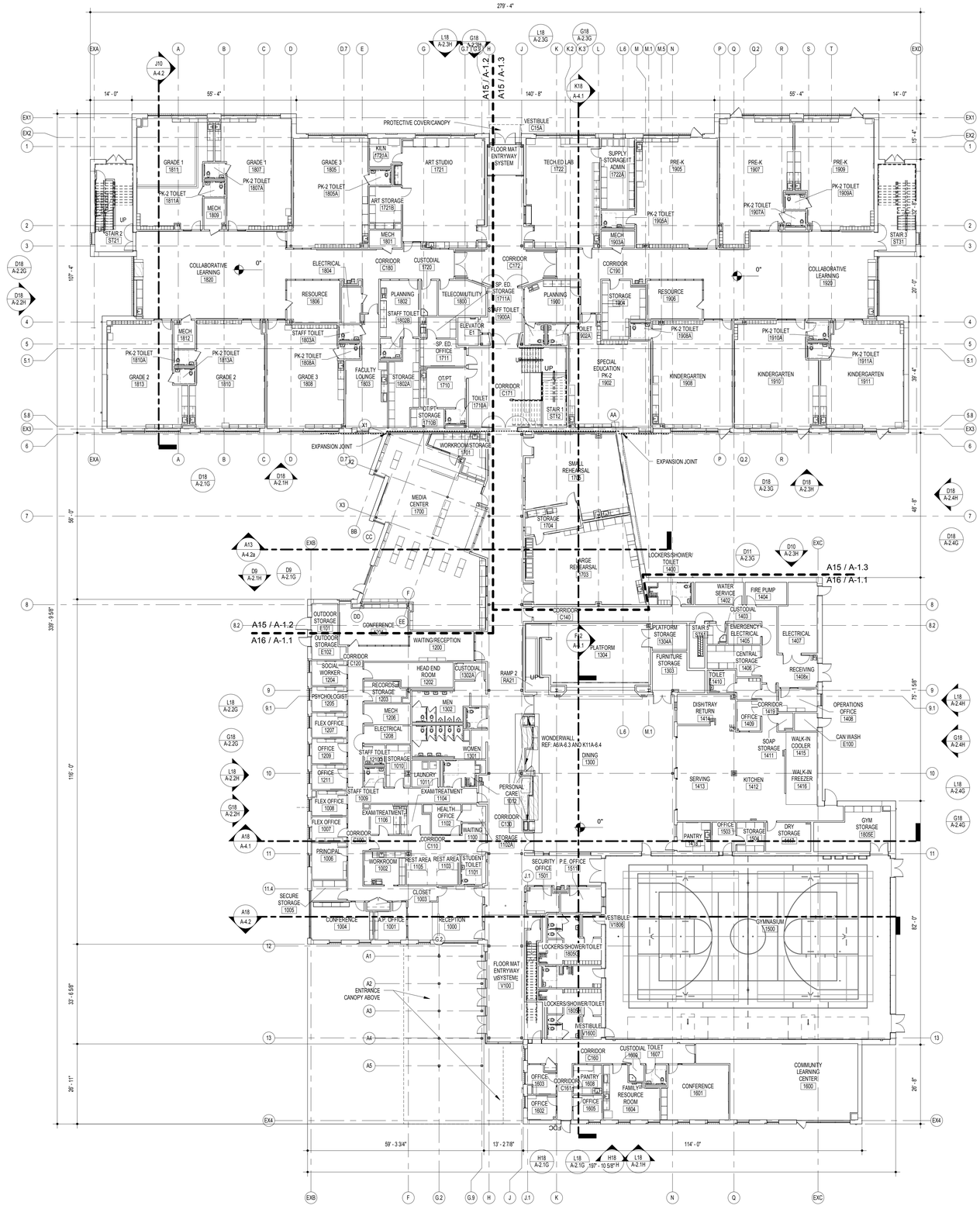
SELECTIVE DEMOLITION PLAN
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

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03/13/2017
BID SET

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A14 OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"

FIRST FLOOR TOTAL AREA:
61,994 SF
Scale: 1 inch = 16 feet
0 8' 16' 32' 48'

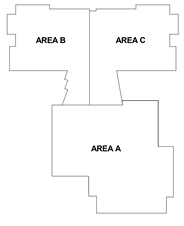
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## KEY PLAN




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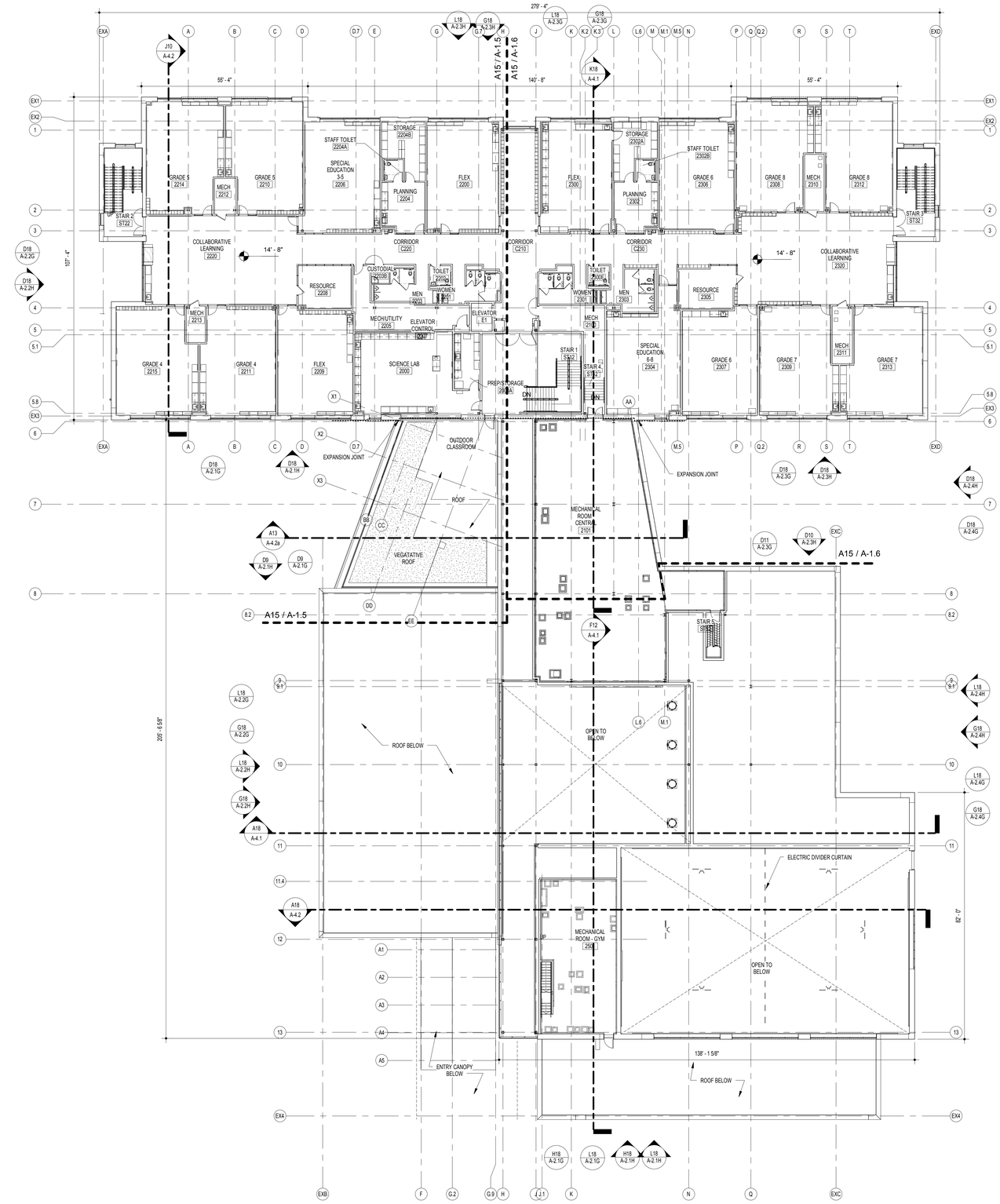
OVERALL PLAN - FIRST FLOOR
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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03/13/2017
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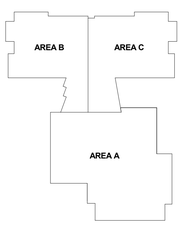

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## KEY PLAN




SECOND FLOOR TOTAL AREA: 31,027 SF

Scale: 1 inch = 16 feet

0 8' 16' 32' 48'

N

A14 OVERALL SECOND FLOOR PLAN

1/16" = 1'-0"

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OVERALL PLAN - SECOND FLOOR

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

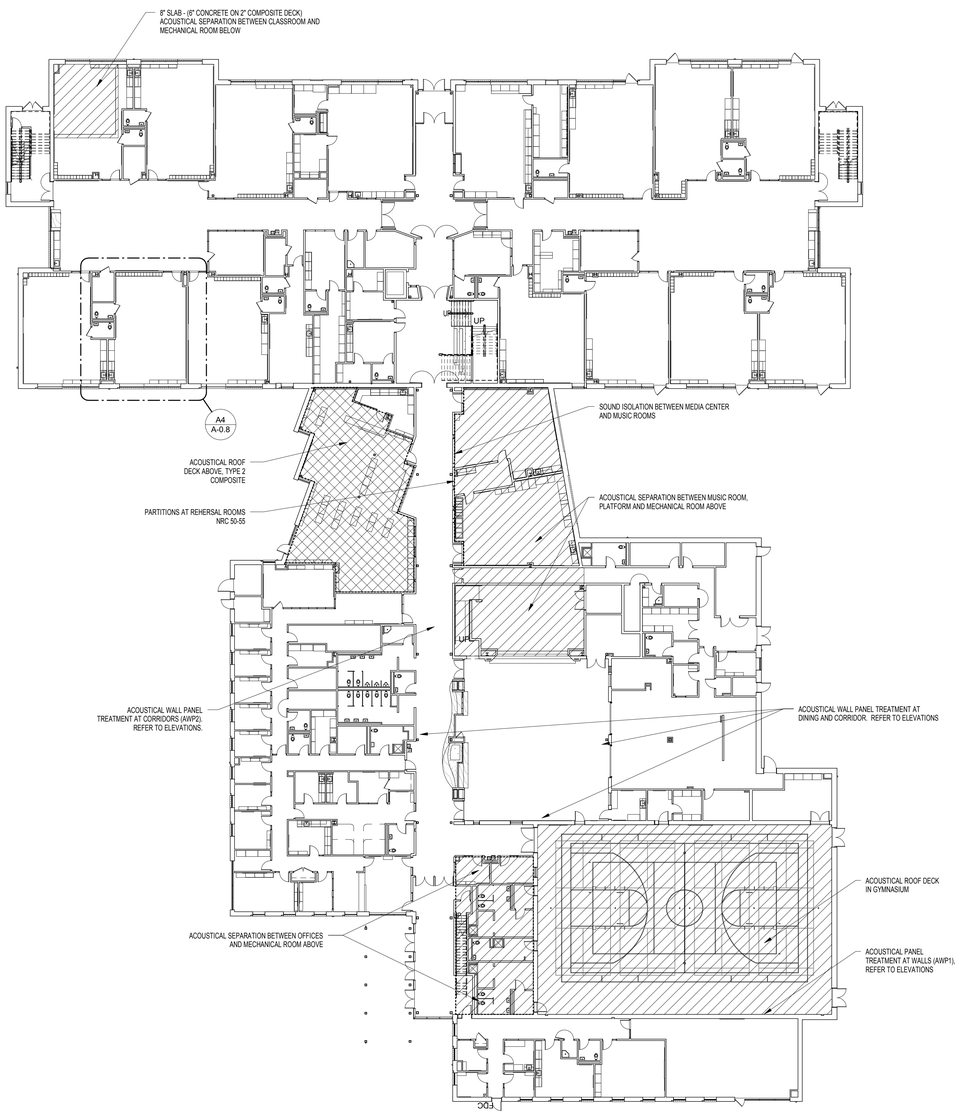
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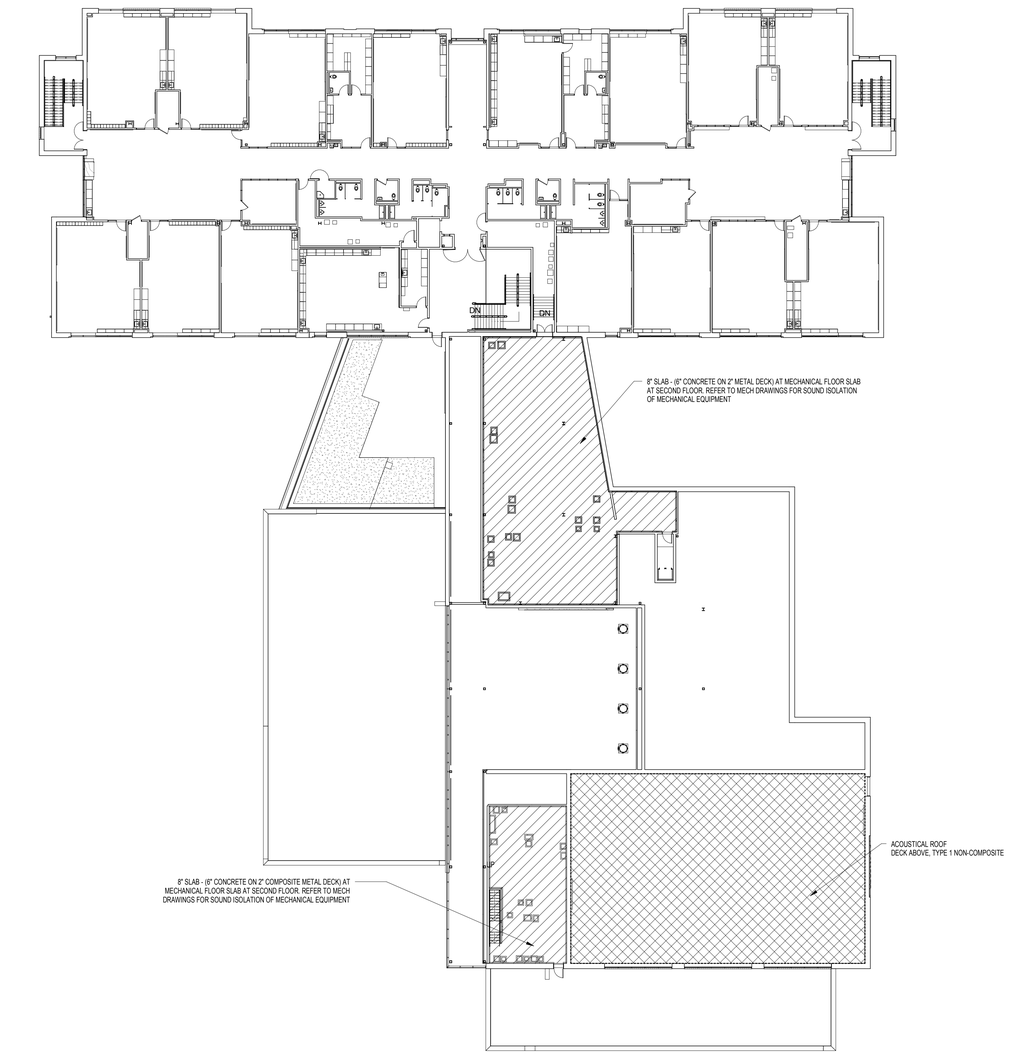
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E17 OVERALL FIRST FLOOR ACOUSTICAL PLAN
1" = 20'-0"



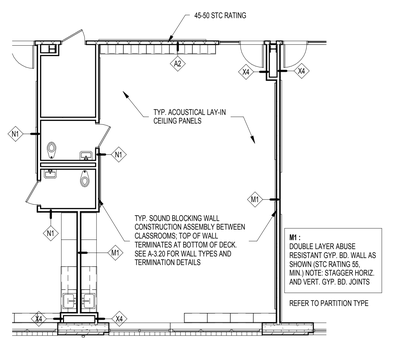

E9 OVERALL SECOND FLOOR ACOUSTICAL PLAN
1" = 20'-0"

## RECOMMENDED REVERATION TIMES FOR UNOCCUPIED SPACES

| ADJACENCY | RECOMMENDED RT60 (SECONDS) |
|---|---|
| PRIVATE OFFICE | 0.4 - 0.6 |
| LOBBIES / RECEPTION AREAS | 0.6 - 1.0 |
| GYMNASIUM | 1.0 - 1.5 |
| DINING ROOM | < 1.0 |
| RESOURCE ROOMS | 0.4 - 0.6 |
| CLASSROOMS | 0.4 - 0.6 |
| COLLABORATIVE LEARNING AREAS | 0.6 - 0.9 |
| MEDIA CENTER | 0.6 - 0.9 |
| REHEARSAL ROOMS | 0.6 - 1.0 |
| CONFERENCE ROOMS | 0.3 - 0.5 |
| COMMUNITY LEARNING CENTER | 0.6 - 0.9 |
| LOUNGES | 0.6 - 0.9 |
| STUDIOS AND LABORATORIES | 0.5 - 0.9 |

## RECOMMENDED STC VALUES FOR PARTITIONS

| ADJACENCY | | RECOMMENDED STC RANGE |
|---|---|---|
| GYMNASIUM | CORRIDOR | 35 - 40 |
| | DINING ROOM | 50 - 55 |
| COMMUNITY LEARNING CENTER | CONFERENCE ROOM | 50 - 55 |
| | CORRIDOR | 35 - 40 |
| CONFERENCE ROOMS | RECEPTION AREA | 50 - 55 |
| | PRIVATE OFFICE | 50 - 55 |
| | CORRIDOR | 50 - 55 |
| DINING ROOM | PRIVATE OFFICE | 50 - 55 |
| | RESTROOMS | 50 - 55 |
| | MECHANICAL* | 60 - 65 |
| PRIVATE OFFICE | PRIVATE OFFICE | 45 - 50 |
| | RESOURCE ROOM | 45 - 50 |
| | CORRIDOR | 40 - 45 |
| | RECEPTION AREA | 45 - 50 |
| | RESTROOMS | 50 - 55 |
| REHEARSAL ROOM | REHEARSAL ROOM | 50 - 55 |
| | CLASSROOMS/ LABS | 45 - 50 |
| | CORRIDOR | 50 - 55 |
| CLASSROOMS / LABS | CLASSROOMS/ LABS | 45 - 50 |
| | RESTROOMS | 50 - 55 |
| | CORRIDORS | 45 - 50 |
| | RESOURCE ROOMS | 45 - 50 |
| | MECHANICAL ROOMS* | 60 - 65 |




A4 TYPICAL CLASSROOM ACOUSTICAL TREATMENT
1/8" = 1'-0"

DRAWINGS ON THIS PAGE GRAPHICALLY ILLUSTRATE AREAS OF SPECIALIZED ACOUSTICAL TREATMENT. REFER TO SPECIFICATIONS AND OTHER DRAWING SHEETS FOR DETAILED INFORMATION.

N

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GRIMM AND PARKER

GP# 21553

ACOUSTICAL ATTENUATION DIAGRAMS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

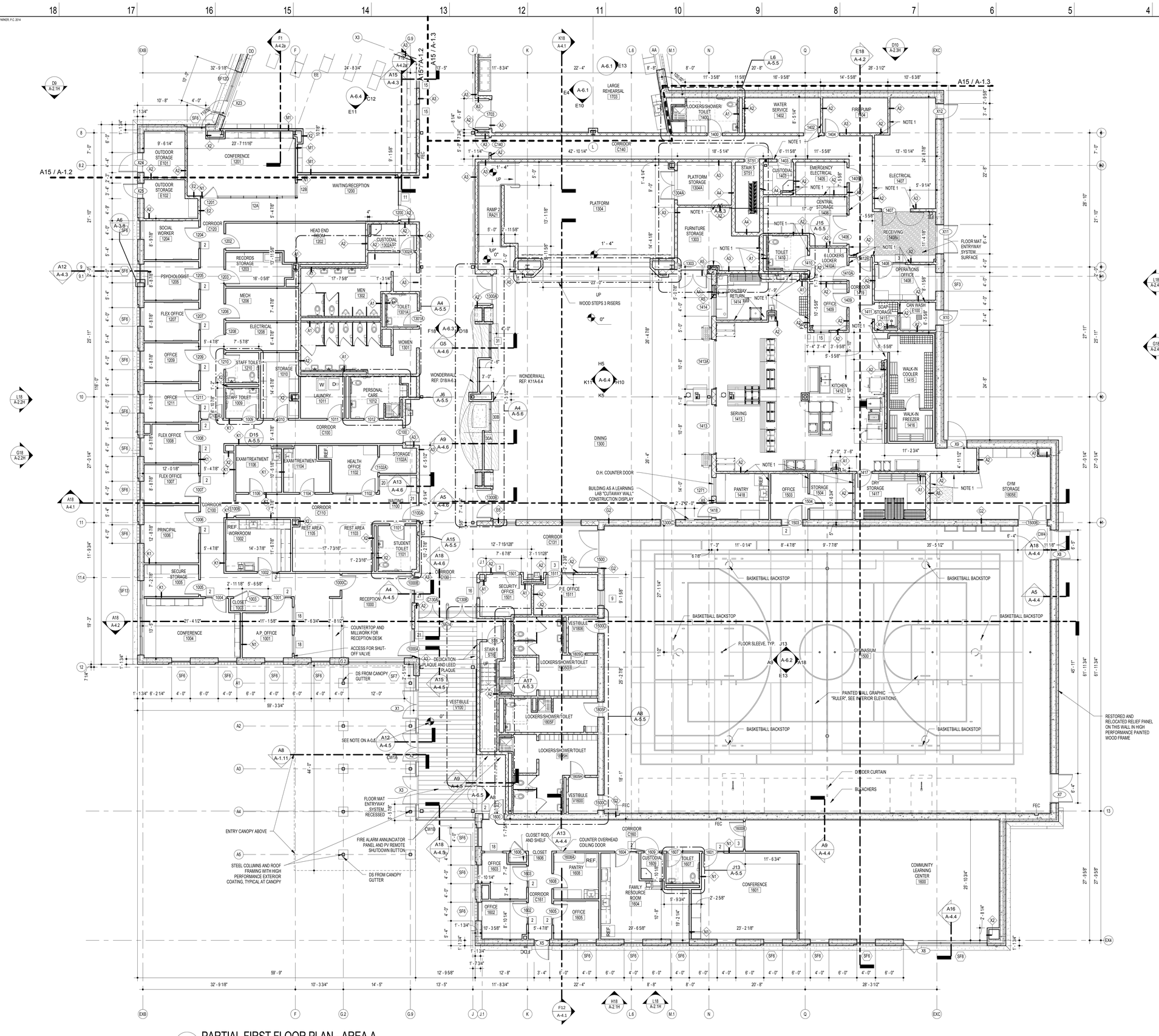
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**A-0.8**

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## KEY NOTES FOR PLANS

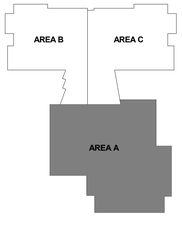
1. WALLS EXTEND TO 10'-8" AFF

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GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

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13. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS OF STUD WALLS AND INTERIOR ICF WALLS WHERE GYPSUM BOARD IS EXPOSED.

## KEY PLAN




A16 PARTIAL FIRST FLOOR PLAN - AREA A
1/8" = 1'-0"

Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

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PARTIAL FIRST FLOOR PLAN - AREA A

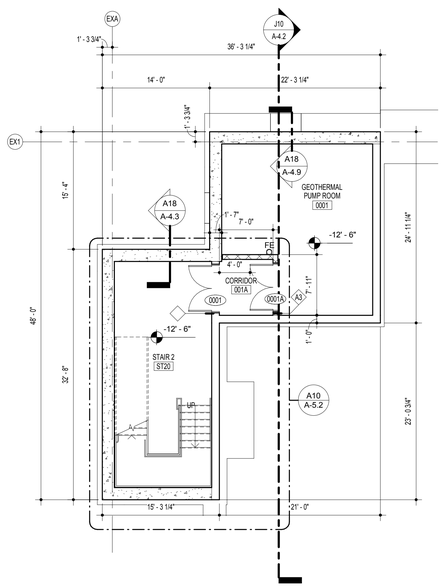
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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**A-1.1**
03/13/2017
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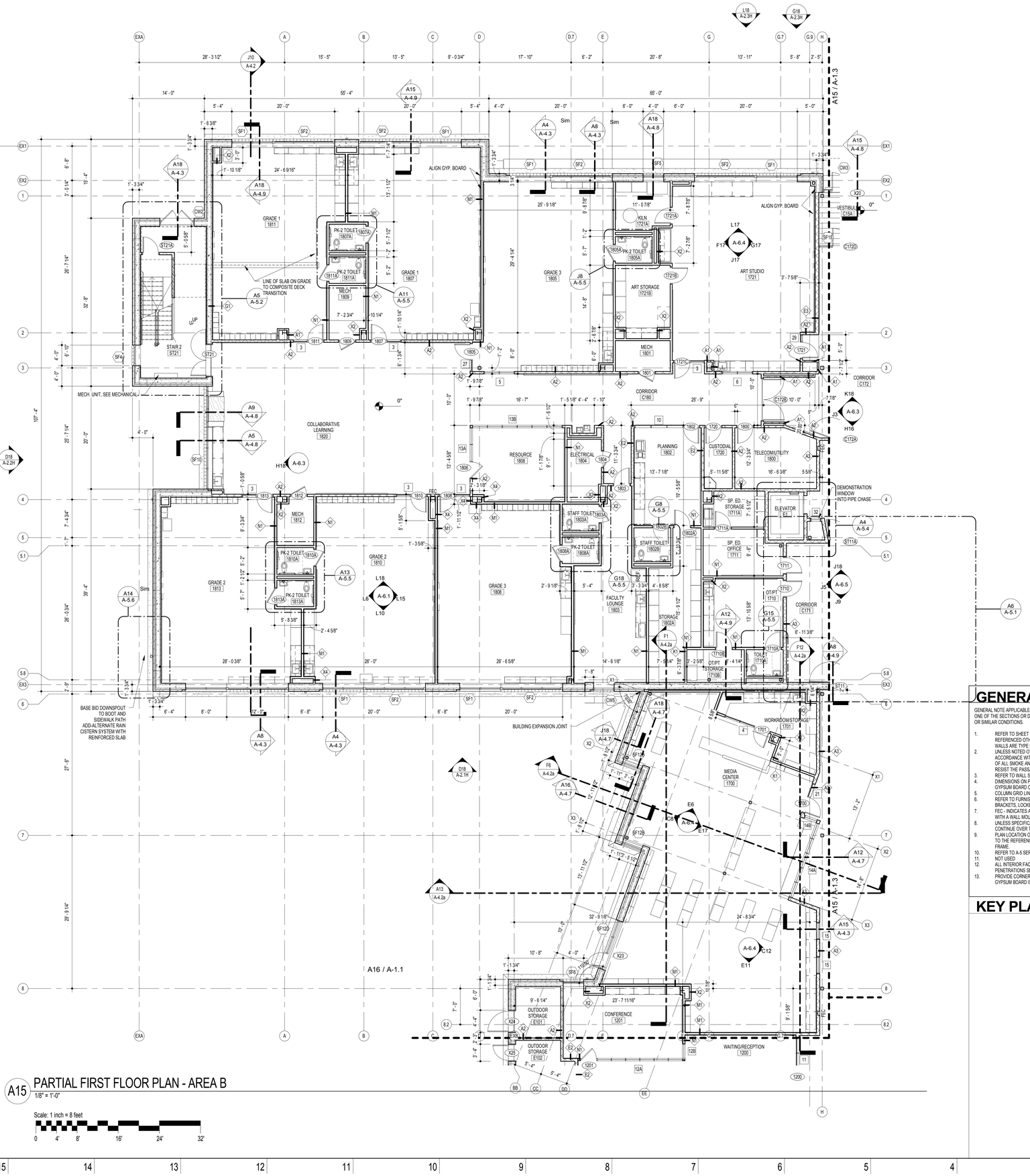
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## G18 PARTIAL BASEMENT FLOOR PLAN - AREA B

1/8" = 1'-0"




## A15 PARTIAL FIRST FLOOR PLAN - AREA B

1/8" = 1'-0"

Scale: 1 inch = 8 feet

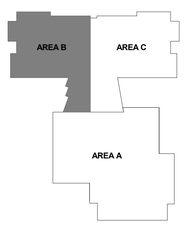
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## KEY PLAN




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PARTIAL FIRST FLOOR PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

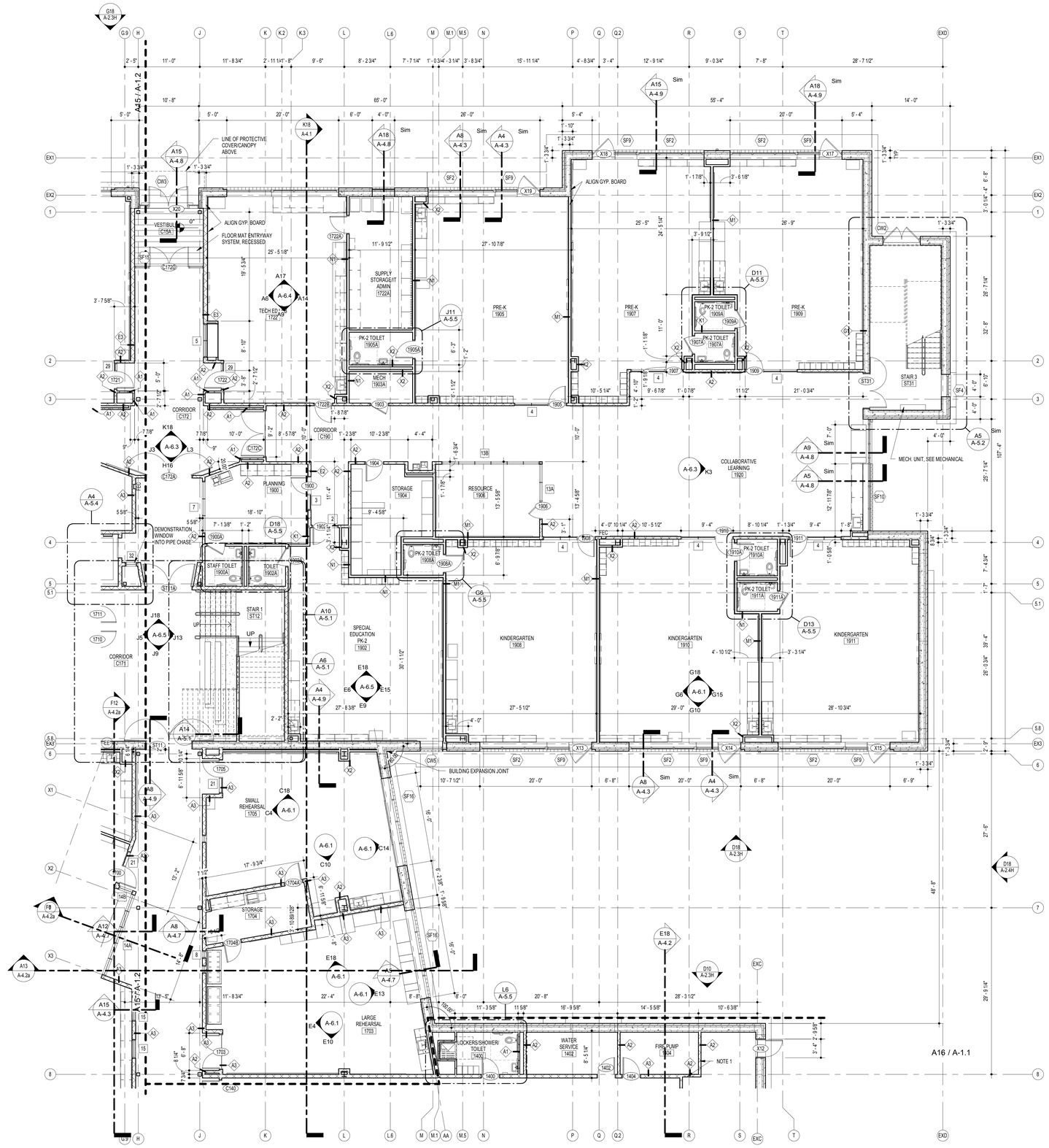
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**A-1.2**

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A15 PARTIAL FIRST FLOOR PLAN - AREA C
1/8" = 1'-0"

Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

## KEY NOTES FOR PLANS

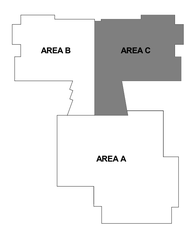
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## KEY PLAN




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PARTIAL FIRST FLOOR PLAN - AREA C

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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|---|---|

**A-1.3**

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LOCKABLE GATE IN 42" H GUARDRAIL TO ACCESS LOW ADMIN ROOF FROM OUTDOOR CLASSROOM

A15 / A-1.5

A15 / A-1.6

40"W x 7'4"T OPENING

STAIR 4 ST52

VERTICAL SUNSHADES ON CURTAINWALL MULLIONS

OPEN TO BELOW

LOW ROOF BELOW

ENTRY CANOPY BELOW

MECHANICAL ROOM - GYM 250 | 5240 SF

UP

BASKETBALL BACKSTOP

DIVIDER CURTAIN

48' - 10 3/4"

24' - 8"

138' - 1 5/8"

22' - 0"

13' - 4"

4' - 0"

3' - 4"

8' - 8 13/16"

1' - 0 13/16"

1' - 2 3/4"

1' - 1 1/4"

3' - 6"

10' - 9 1/4"

8' - 0"

1' - 4 3/8"

2' - 4 3/8"

1' - 5 3/4"

75' - 1 5/8"

53' - 11 5/8"

28' - 0"

118' - 1"

## A18 PARTIAL SECOND FLOOR PLAN - AREA A

1/8" = 1'-0"

Scale: 1 inch = 8 feet

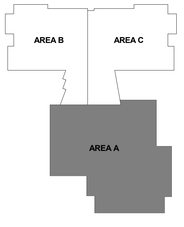
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## KEY PLAN




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PARTIAL SECOND FLOOR PLAN - AREA A

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

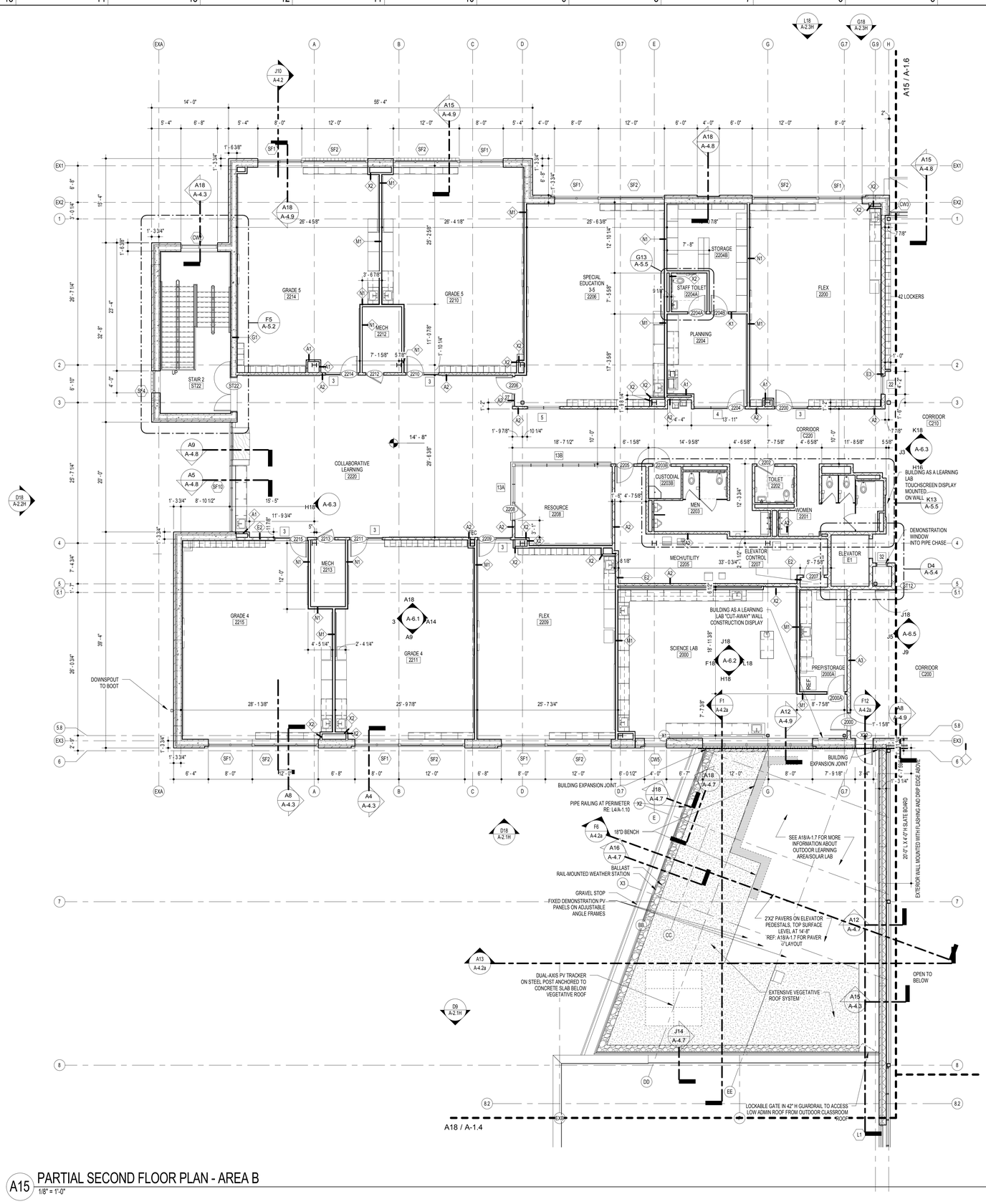
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**A-1.4**

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A15 PARTIAL SECOND FLOOR PLAN - AREA B

1/8" = 1'-0"

Scale: 1 inch = 8 feet

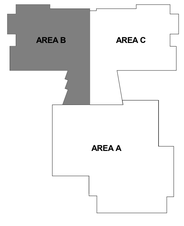
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PARTIAL SECOND FLOOR PLAN - AREA B

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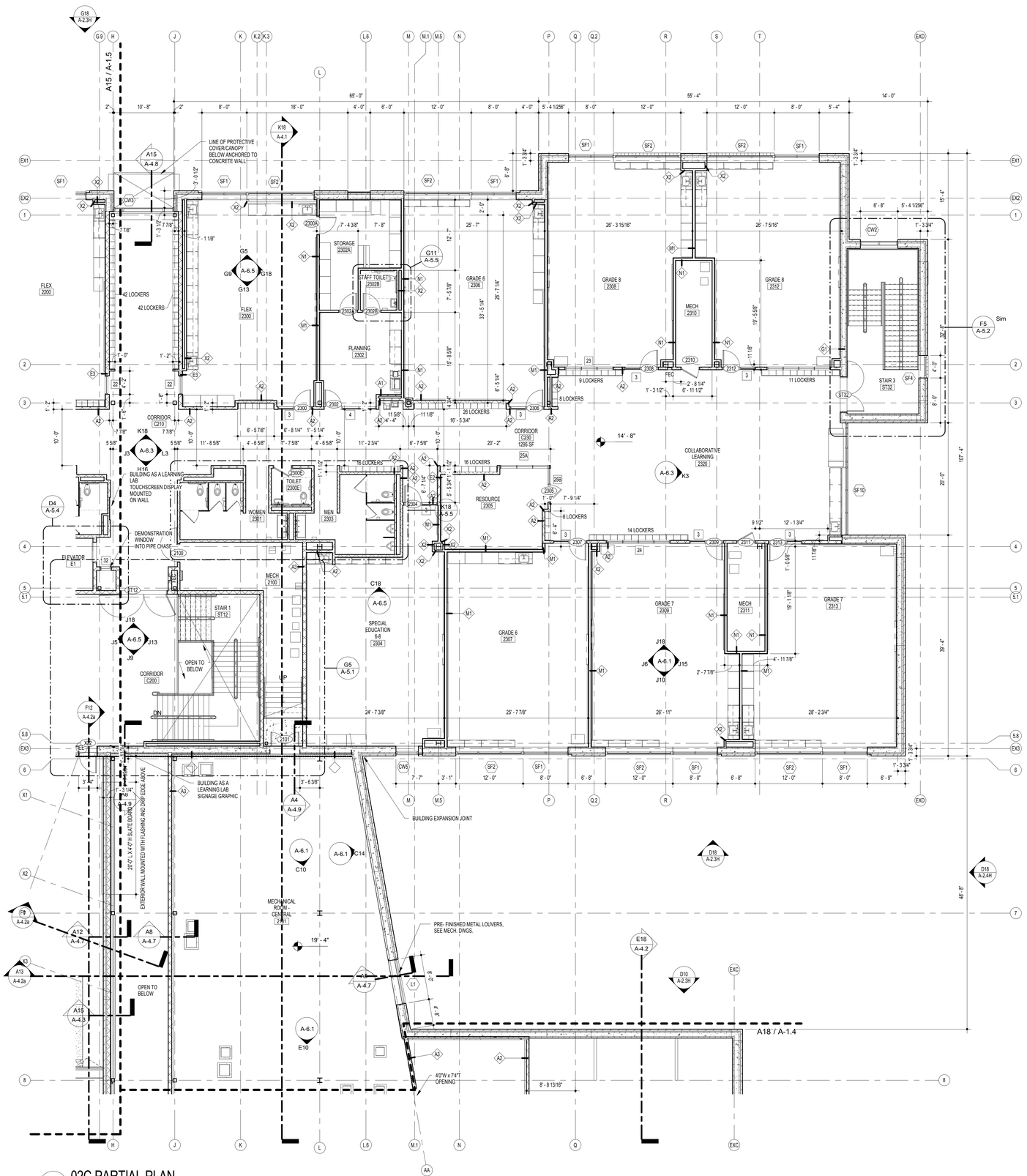
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A-1.5

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A15 02C PARTIAL PLAN
1/8" = 1'-0"

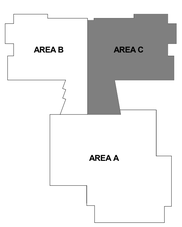
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PARTIAL SECOND FLOOR PLAN - AREA C

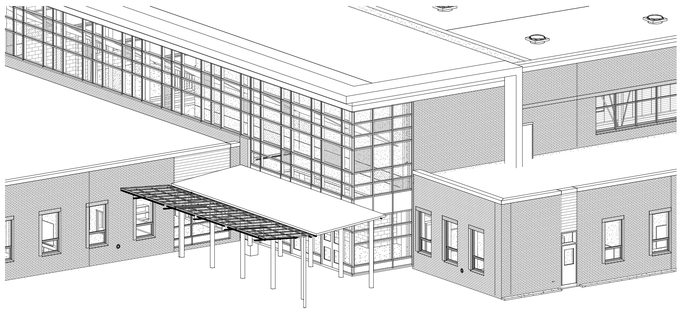
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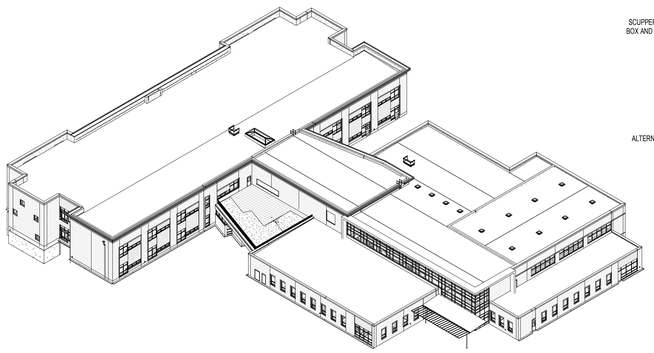
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03/13/2017
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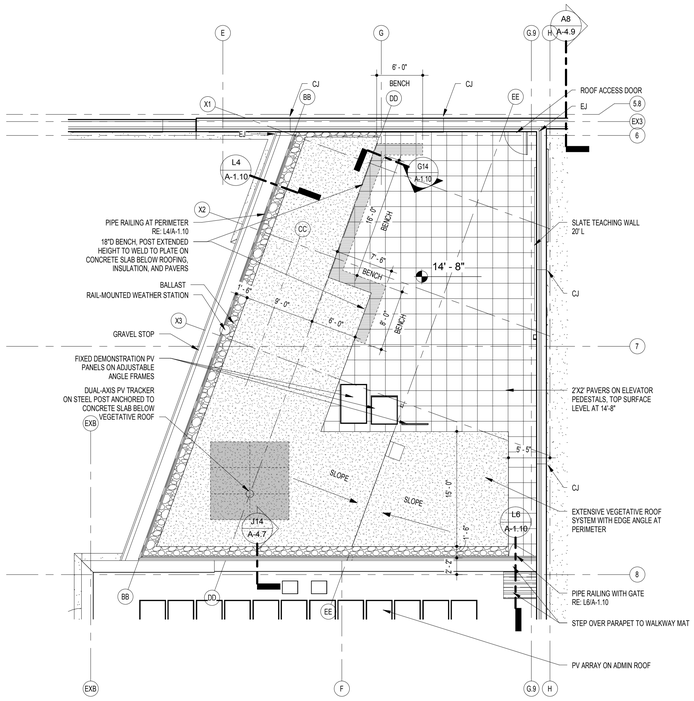
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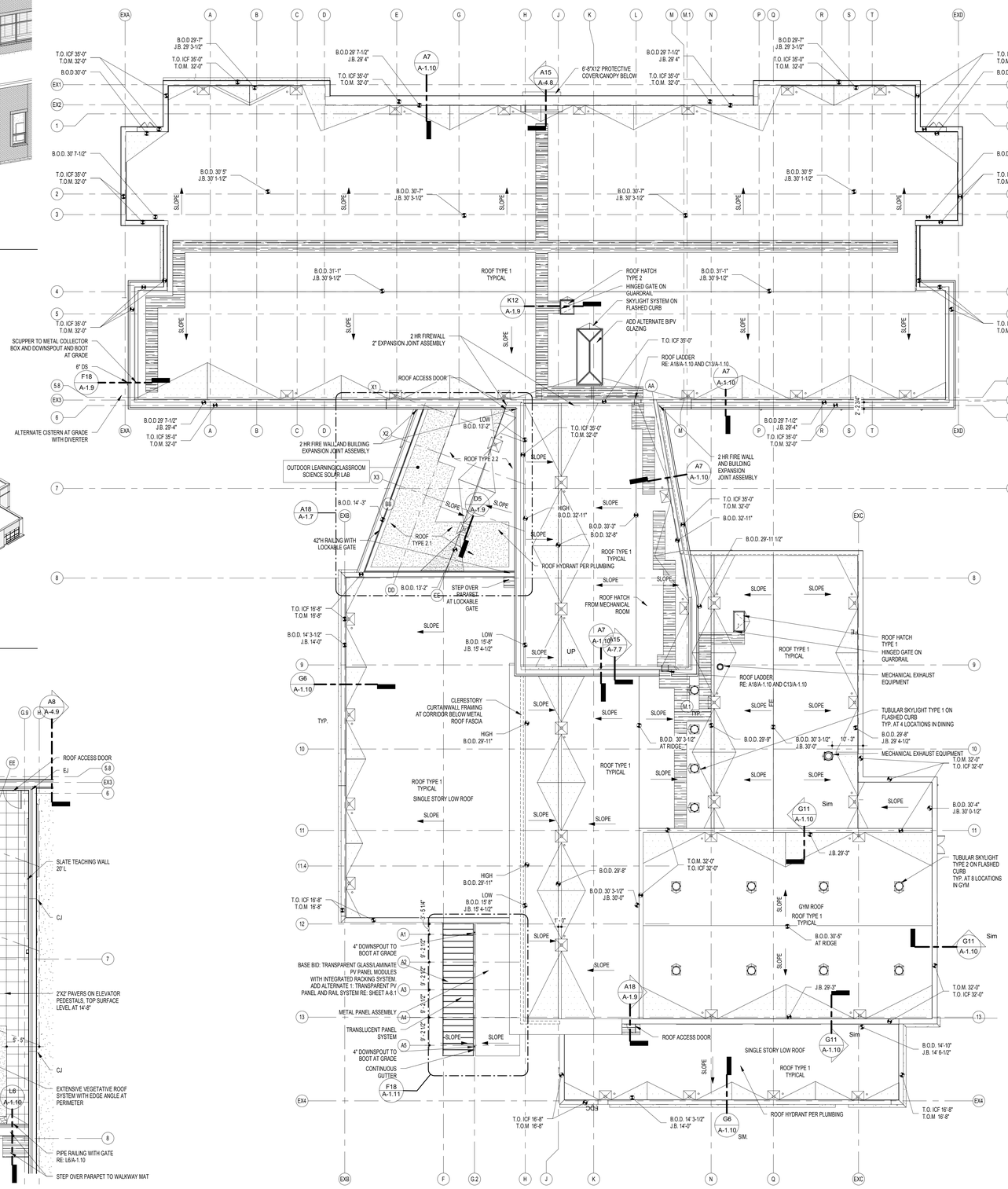
K18 AXON ENTRY CANOPY



G18 AXON AERIAL




A18 ENLARGED ROOF PLAN DETAIL - SOLAR LAB/OUTDOOR LEARNING CLASSROOM
1/8" = 1'-0"




A11 ROOF PLAN
1/16" = 1'-0"

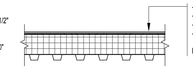
## GENERAL VIEW NOTE (NOTES APPLY TO ALL 3D VIEWS)

THIS AXONOMETRIC OR PERSPECTIVE VIEW IS TO AID IN THE GENERAL VISUALIZATION OF THE PROJECT. SOME ELEMENTS MAY BE MISSING FOR CLARITY.

FOR CONSTRUCTION DETAILS, REFERENCE THE PLANS, SECTIONS, AND ENLARGED DETAILS AS WELL AS ENGINEERING DRAWINGS.

## ROOF TYPES

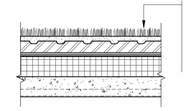
**ROOF TYPE-1 (TYPICAL): ADHERED MEMBRANE ROOF**



- ADHERED MEMBRANE TPO SHEET ROOFING
- COVER BOARD
- ROOF INSULATION
- METAL DECK ON STRUCTURE

R-VALUE: 30.78

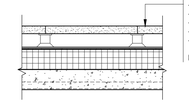
**ROOF TYPE-2.1: VEGETATED ROOF**



- VEGETATIVE ROOF SYSTEM (SEE VEGETATIVE ROOF PLAN FOR EXTENT)
- ADHERED MEMBRANE TPO SHEET ROOFING
- COVER BOARD
- ROOF INSULATION
- CONCRETE SLAB ON METAL DECK ON STRUCTURE

R-VALUE: 32.66

**ROOF TYPE-2.2: WALKWAY ROOF PAVERS**



- ROOF PAVER W/ HEIGHT ADJUSTABLE PEDESTAL
- ADHERED MEMBRANE TPO SHEET ROOFING
- COVER BOARD
- ROOF INSULATION
- CONCRETE SLAB ON METAL DECK ON STRUCTURE

R-VALUE: 32.66

## TYPICAL ROOF NOTES

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. DETAILS INDICATED ARE TYPICAL FOR ALL SIMILAR ROOFING CONDITIONS UNLESS OTHERWISE INDICATED.
2. UNLESS OTHERWISE NOTED, MINIMUM ROOF SLOPE IS 1/4" PER FOOT. PROVIDE TAPERED INSULATION (EVEN IF NOT SHOWN ON THIS PLAN) AS REQUIRED TO MAINTAIN MINIMUM REQUIRED SLOPE TO ROOF DRAINS AND ELIMINATE ANY AREAS OF POTENTIAL STANDING WATER. PROVIDE TAPERED INSULATION (MINIMUM 1/4" PER FOOT SLOPE) AT ALL CRICKETS INDICATED TO DRAIN. COORDINATE HEIGHTS OF ALL FLASHINGS AND EXPANSION JOINT CAPS WITH TAPERED INSULATION TO MAINTAIN MINIMUM DIMENSIONS DETAILED.
3. ALL ROOF PENETRATIONS AND ACCESSORIES (DRAINS, VENTS, ETC.) ARE TO BE INSTALLED AND FLASHED IN COMPLIANCE WITH THE CURRENT EDITIONS OF N.R.C.A. ROOFING AND WATERPROOFING MANUAL AND S.M.A.C.N.A. (ARCHITECTURAL SHEET METAL MANUAL)
4. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ITEMS (INCLUDING UNIT SIZES AND LOCATIONS) NOT SHOWN OR SCHEMATICALLY SHOWN ON ROOF PLANS.
5. CURBS FOR ROOF TOP MECHANICAL EQUIPMENT ARE PROVIDED BY THE MECHANICAL CONTRACTOR. REFER TO TYPICAL CURB FLASHING DETAIL FOR BLOCKING AND FLASHING REQUIREMENTS. PROVIDE ALL BLOCKING NECESSARY TO ACHIEVE LEVEL MECHANICAL CURBS AT ALL LOCATIONS. MAINTAIN MINIMUM 8" FROM TOP OF CURB TO ADJACENT ROOF. PROVIDE TAPERED CRICKETS (MINIMUM 1/2" PER FOOT SLOPE) AROUND ALL MECHANICAL EQUIPMENT CURBS.
6. THE ROOF DRAIN AND MECHANICAL UNIT LOCATIONS SHOWN ON THE ROOF PLAN ARE APPROXIMATE. COORDINATE WITH MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATIONS.
7. PRIOR TO FLASHING OVERFLOW ROOF SCUPPERS AND ROOF DRAIN, ROOFING CONTRACTOR SHALL BE REQUIRED TO CONFIRM MAXIMUM DRAIN PIPE HEIGHT OF 3" ABOVE ROOF IN ACCORDANCE WITH PLUMBING DRAWINGS.
8. START TAPERED INSULATION AT SUMP PLATES. INSULATION SHALL BE TAPERED DOWN FROM ALL (4) SIDES OF INDICATED SUMP. REFERENCE TYPICAL ROOF DRAIN DETAIL A15/A-1.9.
9. IN ACCORDANCE WITH SPECIFICATION SECTION #07620 SHEET METAL, FLASHING AND TRIM, ROOFING CONTRACTOR SHALL BE REQUIRED TO PROVIDE RECEIVER FLASHING TO MASONRY CONTRACTOR FOR INSTALLATION. ROOFER TO SOLDER JOINTS IN STAINLESS STEEL FLASHING.
10. PROVIDE WALKWAY PROTECTION WHERE INDICATED AND AT ALL SIDES OF MECHANICAL ROOF TOP UNITS REQUIRING SERVICE AND AT TOP AND BOTTOM OF ALL ROOF STAIRS.
11. ALL ROOF TOP EQUIPMENT (EXCLUDING PREFINISHED ITEMS) SHALL BE FIELD PAINTED.
12. WHERE INDICATED, REFER TO PLUMBING DRAWINGS FOR RADON PIPE DETAIL. FLASHING SHALL BE IN ACCORDANCE WITH TYPICAL DETAILS.
13. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FRT WOOD BLOCKING AS REQUIRED TO ACCOMMODATE ALL PROFILES OF FINISHED ROOFING INCLUDING AT CRICKETS AND TAPERED INSULATION AT WALLS, PARAPETS AND GRAVEL STOPS. GRAVEL STOPS AT GUTTERS TO BE STAINLESS STEEL WITH SOLDERED JOINTS.
14. COORDINATE HOSE BIB LOCATIONS ON ROOF WITH MEP PLANS.

## ROOF SYMBOLS KEY

| | |
|---|---|
| | ROOF DRAIN WITH TAPERED INSULATION - TYP. SUMP SHALL BE 4'-0" X 3'-0" RE: A8/A-1.9 SIMILAR |
| | ROOF DRAIN WITH TAPERED INSULATION - TYP. SUMP SHALL BE 4'-0" X 4'-0" SEE DETAIL FOR OVERFLOW AT EACH DRAIN, RE: A8/A-1.9 |
| | DIRECTION OF SLOPE FROM HIGH POINT - ROOF SLOPES @ 1/4" PER FOOT, MINIMUM, UNLESS OTHERWISE NOTED |
| T.O.M. X'-X" | TOP OF MASONRY |
| T.O. ICF X'-X" | TOP OF ICF (INSULATED CONCRETE FORM WALL) |
| T.O.S. X'-X" | TOP OF STEEL |
| J.B. X'-X" | JOIST BEARING |
| B.O.D. X'-X" | BOTTOM OF DECK |
| 1 / A101 SIM | DETAIL @ TOP OF WALL |
| 1 / A101 SIM | DETAIL @ LOW ROOF WALL - FLASHING CONDITION |
| | ROOF HATCH |
| DS | DOWNSPOUT DOWN TO CAST IRON DOWNSPOUT BOOT AT GRADE - SEE CIVIL DRAWINGS FOR CONNECTION |
| O.S. | OVERFLOW SCUPPER - SEE DETAIL F6/A-1.9 |
| | PHOTOVOLTAIC PANELS (PV) |
| | BALLAST AT PERIMETER OF VEGETATIVE ROOF |
| | ROOF WALKWAY - 36" WIDE CAPSHEET ADHERED TO ROOF PER MANUFACTURER'S RECOMMENDATIONS AT LOW SLOPE ROOF. |
| | EXTENSIVE VEGETATIVE ROOF |
| | 24"x24" PAVERS ONE ADJUSTABLE ELEVATOR PEDESTALS AT OUTDOOR CLASSROOM |
| | TUBULAR SKYLIGHT, TYPES 1 AND 2 |

N

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ROOF PLAN

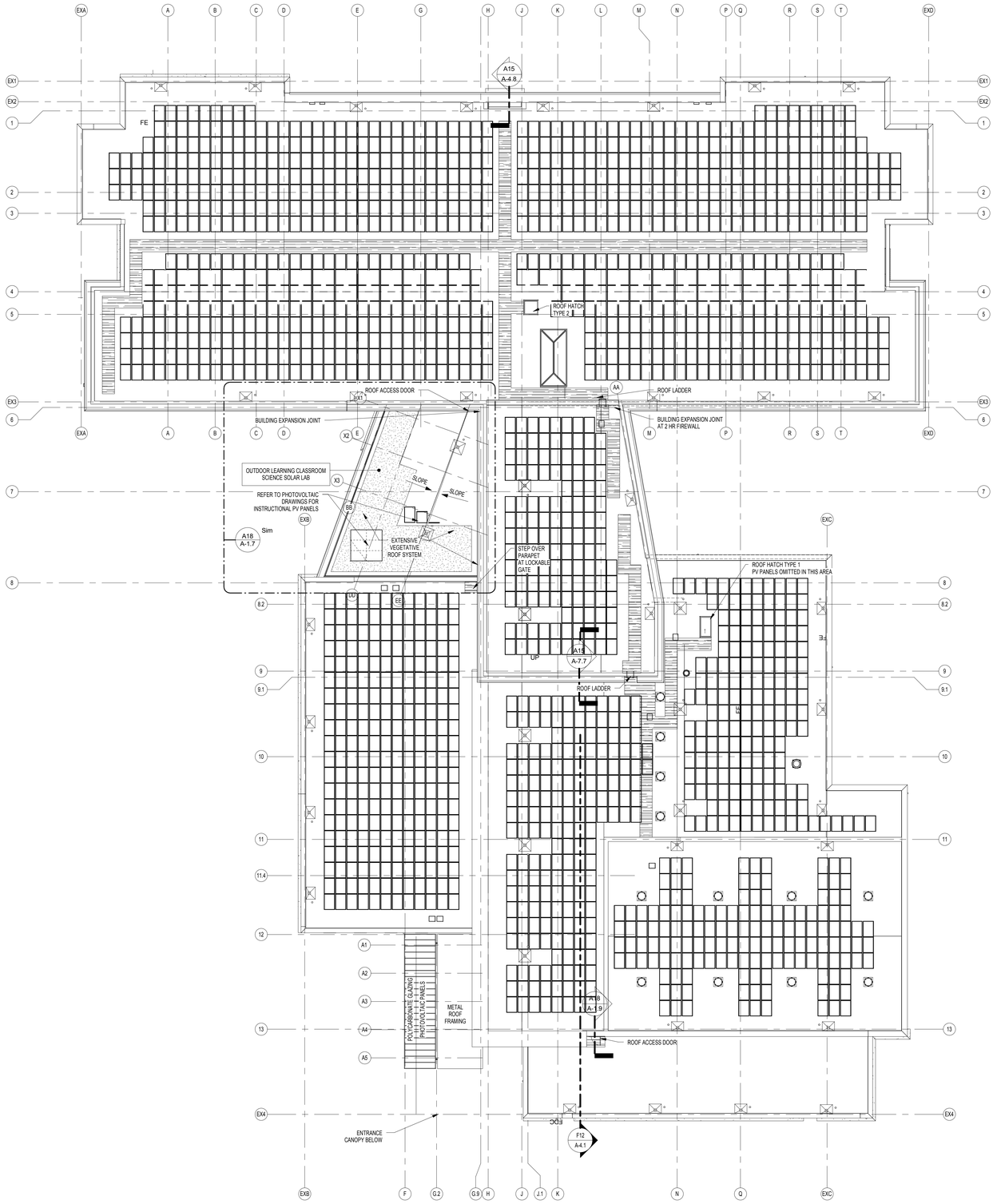
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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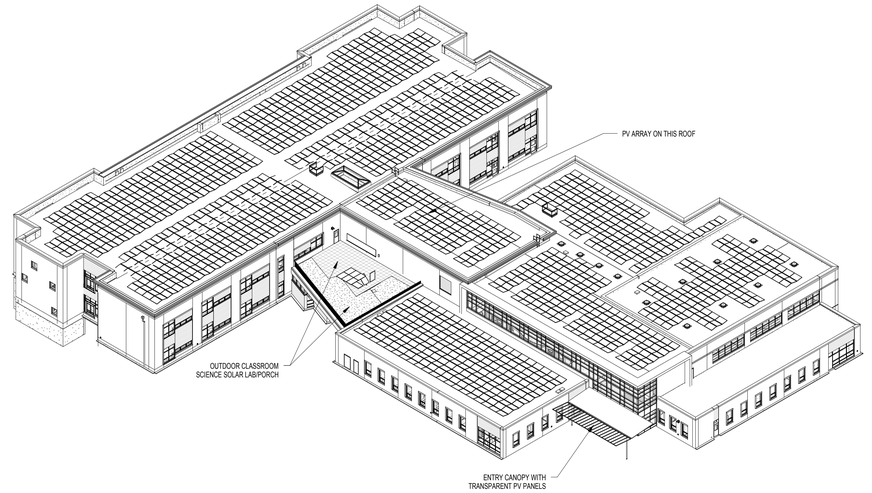
A-1.7
03/13/2017
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A18 ROOF PLAN - PV LAYOUT
1/16" = 1'-0"




J9 BUILDING AXON

## TYPICAL ROOF NOTES

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| 1 A101 SIM | DETAIL @ TOP OF WALL |
| 1 A101 SIM | DETAIL @ LOW ROOF WALL - FLASHING CONDITION |
| | ROOF HATCH |
| DS | DOWNSPOUT DOWN TO CAST IRON DOWNSPOUT BOOT AT GRADE - SEE CIVIL DRAWINGS FOR CONNECTION |
| O.S. | OVERFLOW SCUPPER - SEE DETAIL F9/A-1.9 |
| | PHOTOVOLTAIC PANELS (PV) |
| | BALLAST AT PERIMETER OF VEGETATIVE ROOF |
| | ROOF WALKWAY - 36" WIDE CAPSHEET ADHERED TO ROOF PER MANUFACTURER'S RECOMMENDATIONS AT LOW SLOPE ROOF. |
| | EXTENSIVE VEGETATIVE ROOF |
| | 24"x24" PAVERS ONE ADJUSTABLE ELEVATOR PEDESTALS AT OUTDOOR CLASSROOM |
| | TUBULAR SKYLIGHT, TYPES 1 AND 2 |

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Scale: 1 inch = 16 feet
0 8' 16' 32' 48'
N

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GP# 21553

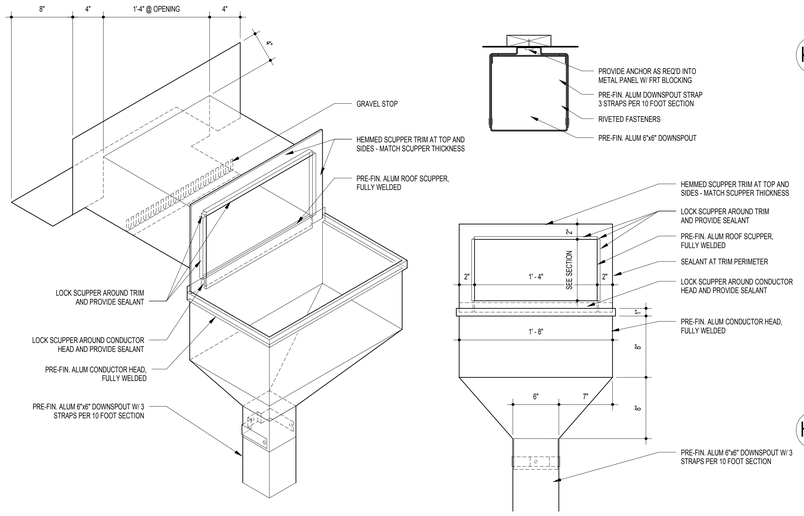
ROOF PLAN - PHOTOVOLTAIC ARRAY
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

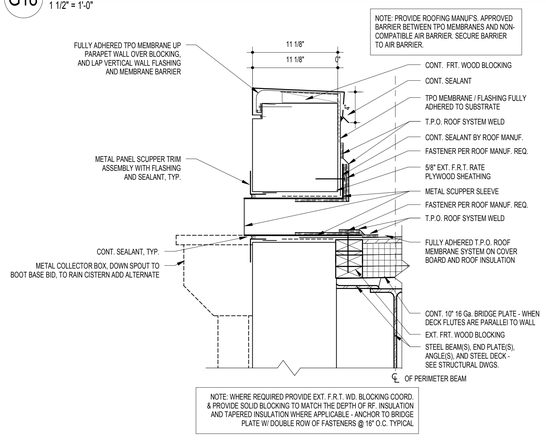
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03/13/2017
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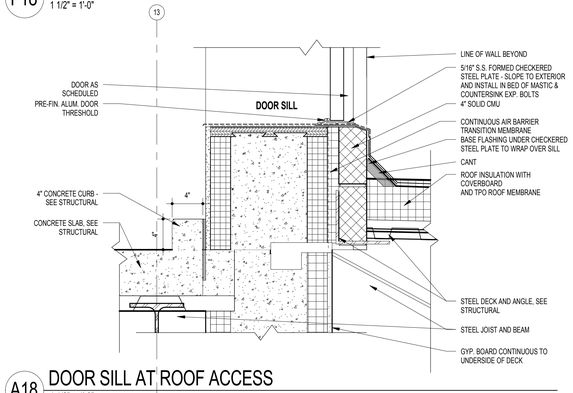
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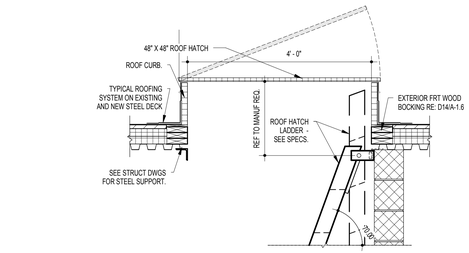

## G18 SCUPPER AND CONDUCTOR HEAD DETAIL
1 1/2" = 1'-0"



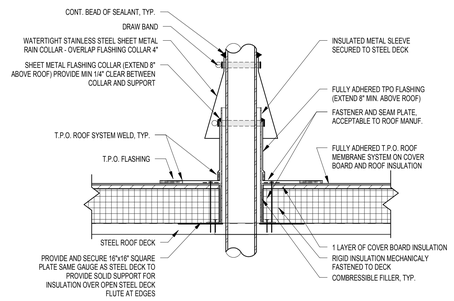

## F18 PARAPET @ METAL PANEL THRU WALL SCUPPER
1 1/2" = 1'-0"



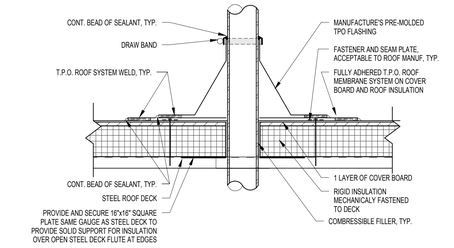

## A18 DOOR SILL AT ROOF ACCESS
1 1/2" = 1'-0"



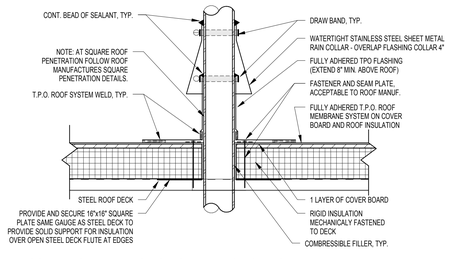

## K12 ROOF HATCH / LADDER SECTION
3/4" = 1'-0"



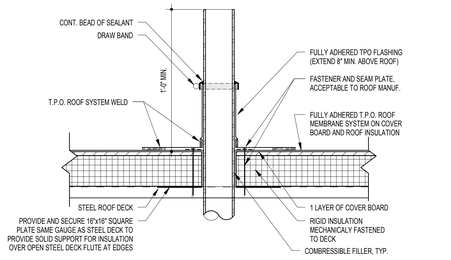

## H13 TYPICAL HOT STACK (TPO)
1 1/2" = 1'-0"



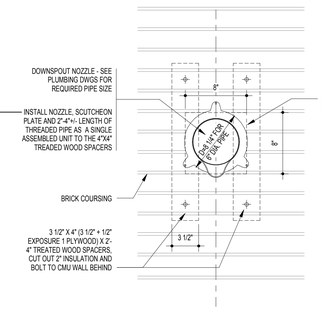

## F13 TYPICAL PRE-MOLDED PIPE FLASHING DETAIL (TPO)
1 1/2" = 1'-0"




## C13 TYPICAL PIPE FLASHING DETAIL (TPO)
1 1/2" = 1'-0"

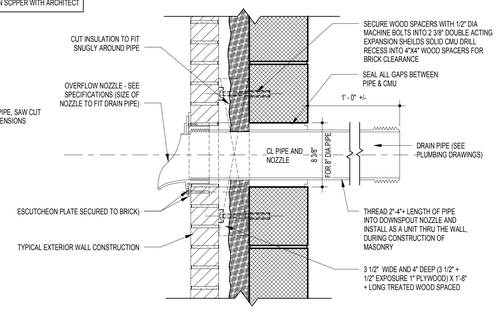


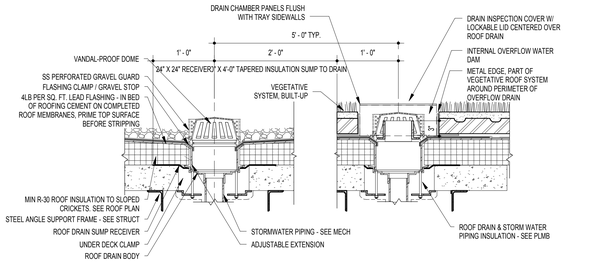

## A13 TYPICAL ROOF VENT DETAIL (TPO)
1 1/2" = 1'-0"



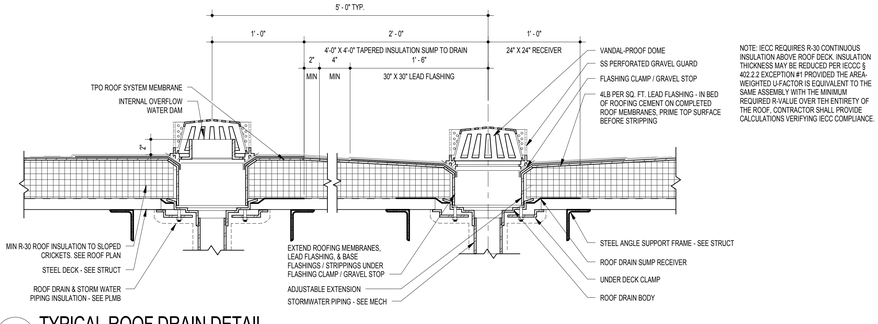

## F9 OVERFLOW SCUPPER DETAIL
1 1/2" = 1'-0"

NOTE: CONTRACTOR TO COORDINATE HEIGHT OF OVERFLOW ROOF DRAIN SCPPER WITH ARCHITECT




## D5 ROOF DRAIN DETAIL AT VEGETATIVE ROOF
1" = 1'-0"




## A8 TYPICAL ROOF DRAIN DETAIL
1 1/2" = 1'-0"

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11720 Beltsville Drive
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GP# 21553

ROOF DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

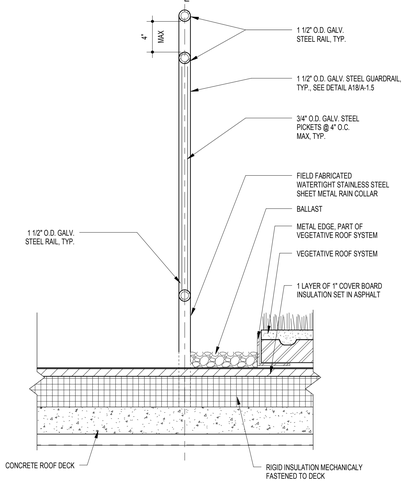
| DATE | DESCRIPTION |
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**A-1.9**

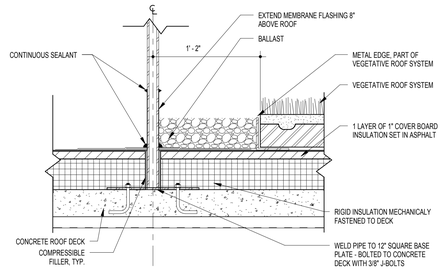
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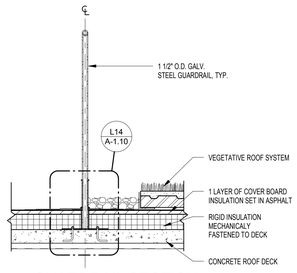
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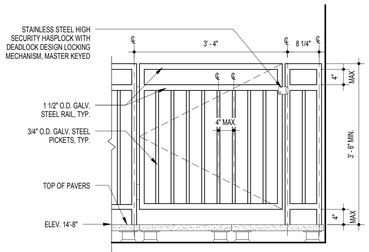

J18 GUARDRAIL SECTION @ PICKETS
1 1/2" = 1'-0"



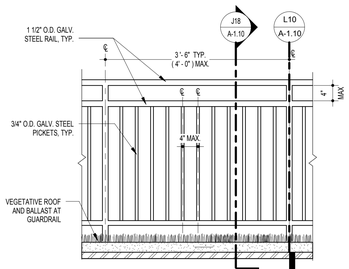

L14 DETAIL AT RAILING BASE PLATE CONNECTION
1 1/2" = 1'-0"



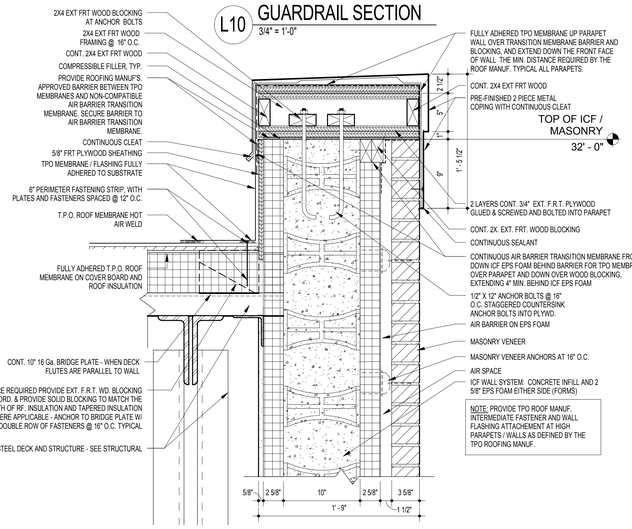

L10 GUARDRAIL SECTION
3/4" = 1'-0"



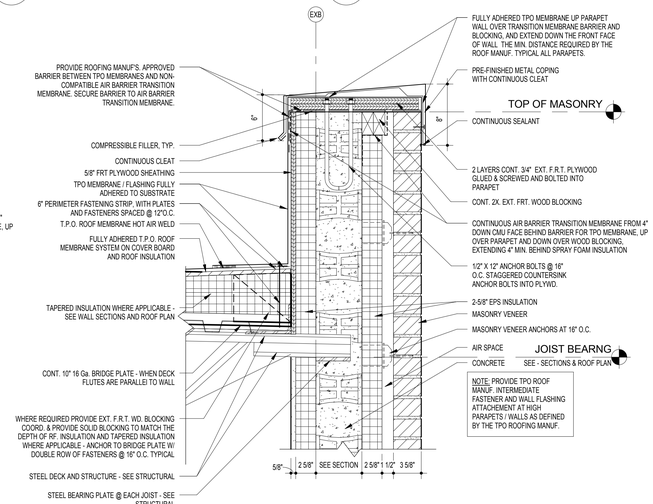

L6 GATE @ SOLAR LAB ROOF
3/4" = 1'-0"



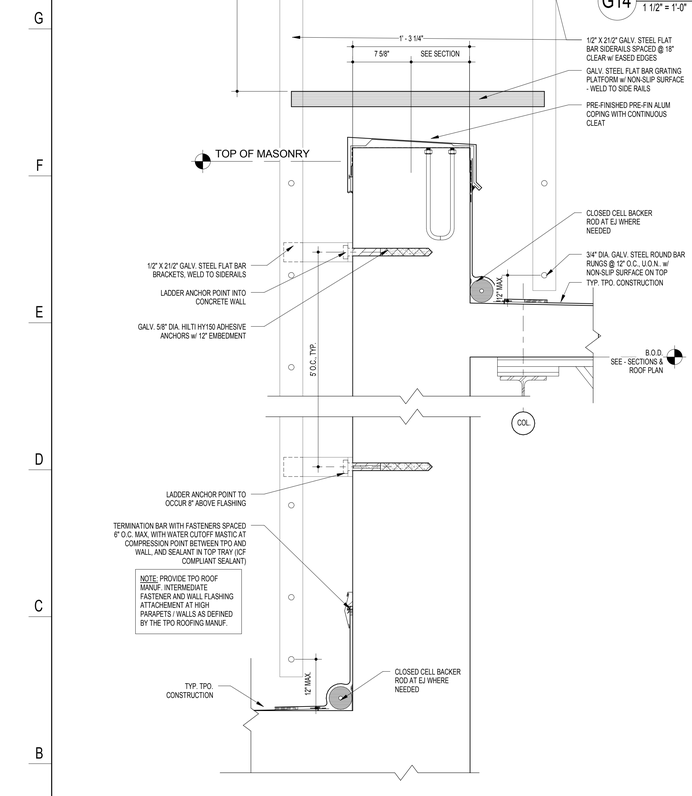

L4 GUARDRAIL @ SOLAR LAB ROOF
3/4" = 1'-0"



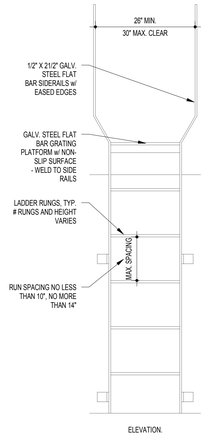

G11 PARAPET DETAIL @ GYM
1 1/2" = 1'-0"




G6 TYPICAL PARAPET DETAIL
1 1/2" = 1'-0"

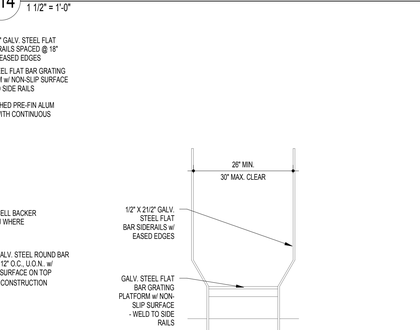



A18 TYPICAL ROOF LADDER DETAIL (TPO)
1 1/2" = 1'-0"

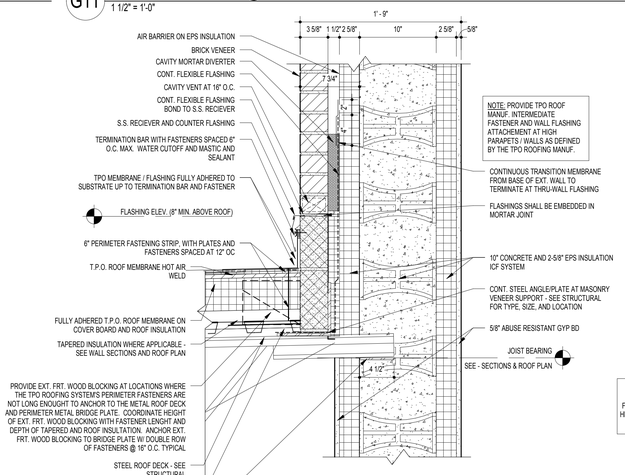



ELEVATION.

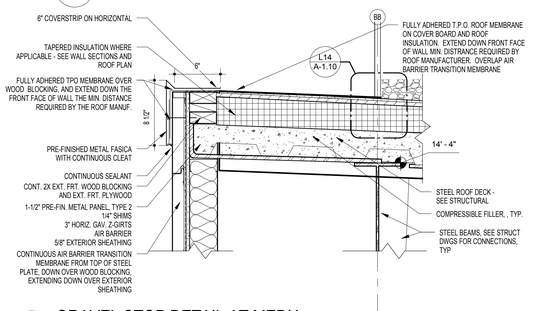
C13 ROOF LADDER ELEVATION
3/4" = 1'-0"



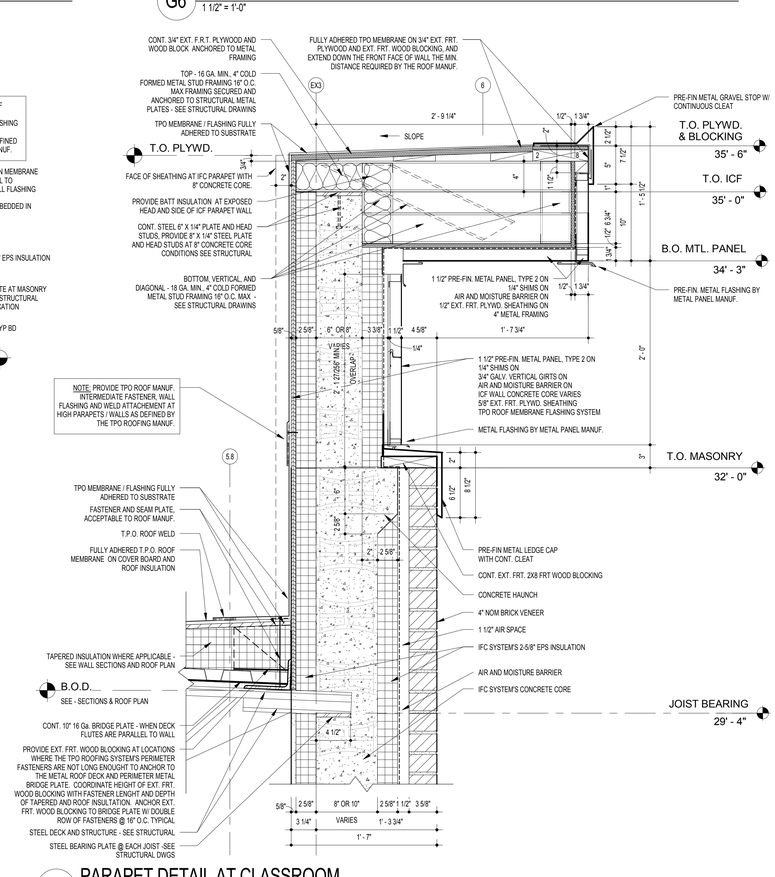

G14 DETAIL AT BENCH POST BASE PLATE CONNECTION
1 1/2" = 1'-0"




C11 LOW ROOF FLASHING DETAIL
1 1/2" = 1'-0"




A11 GRAVEL STOP DETAIL AT MEDIA
1 1/2" = 1'-0"




A7 PARAPET DETAIL AT CLASSROOM
1 1/2" = 1'-0"

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ROOF DETAILS

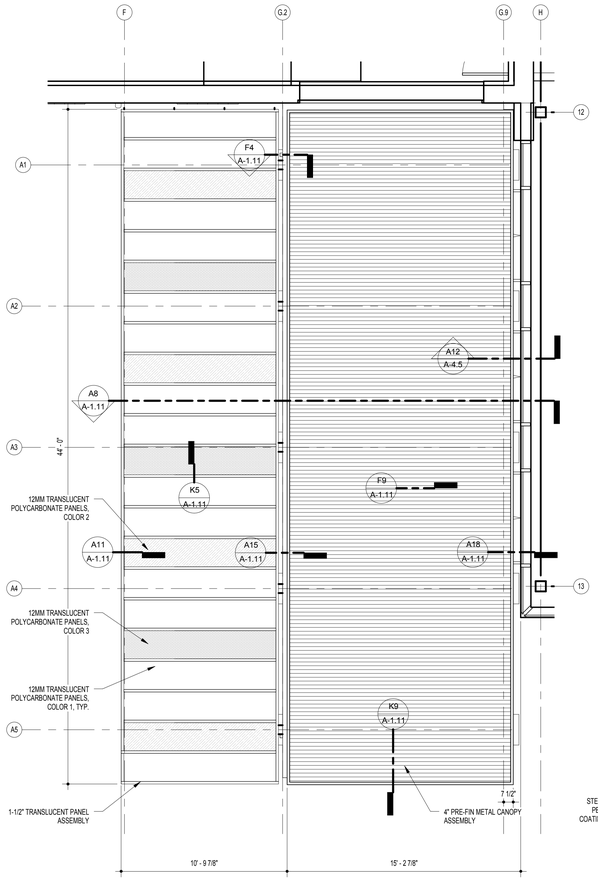
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

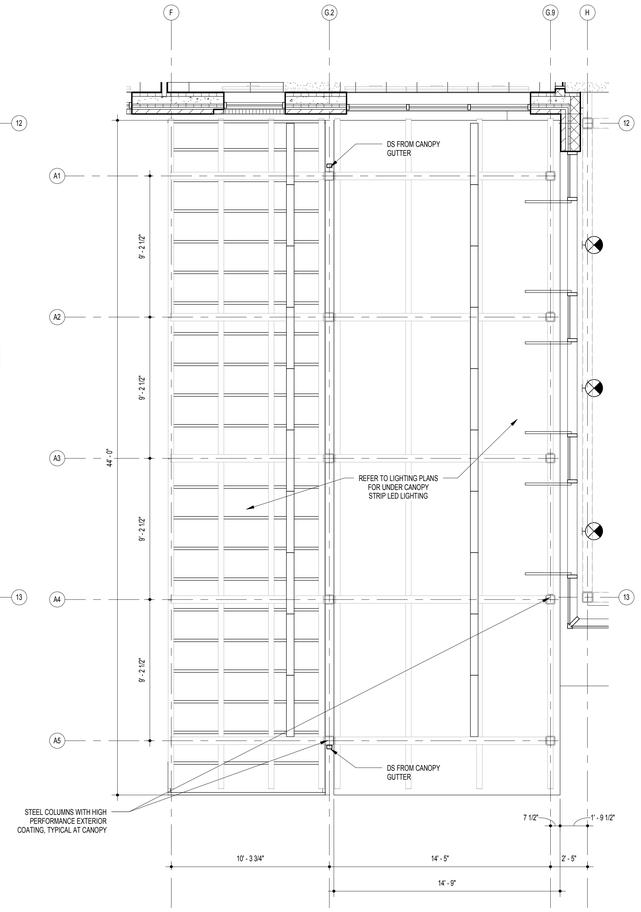
A-1.10
03/13/2017
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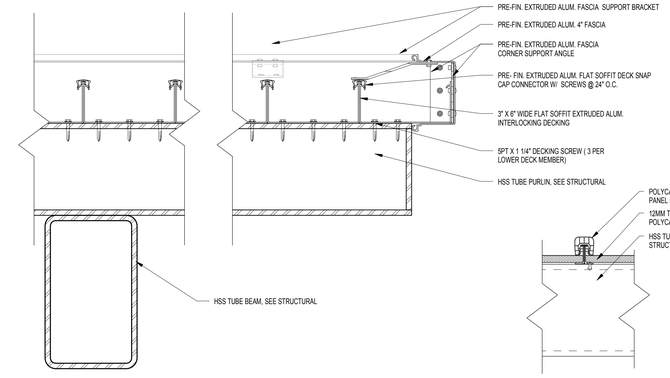
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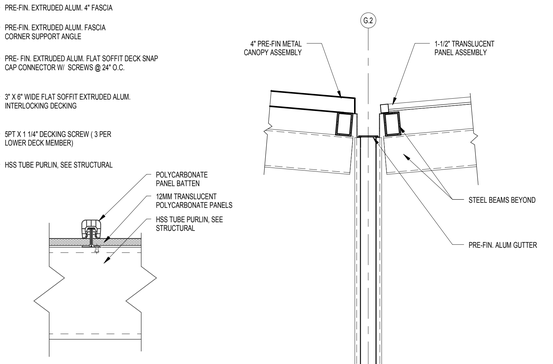

## F18 MAIN ENTRANCE CANOPY ROOF PLAN
1/4" = 1'-0"



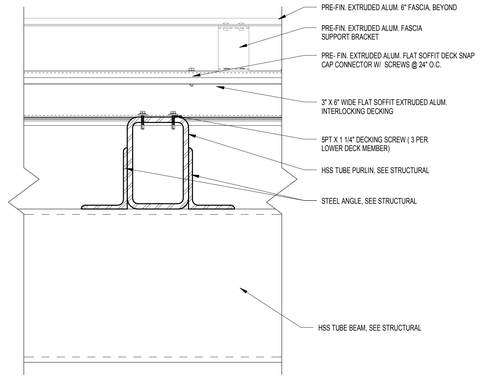

## F13 MAIN ENTRANCE CANOPY REFLECTED CEILING PLAN
1/4" = 1'-0"



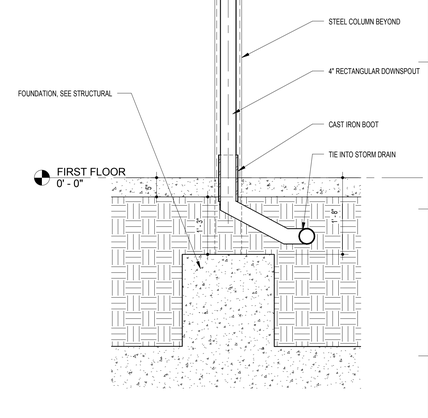

## K9 CANOPY- METAL DECK FLAT SOFFIT SECTION
3" = 1'-0"



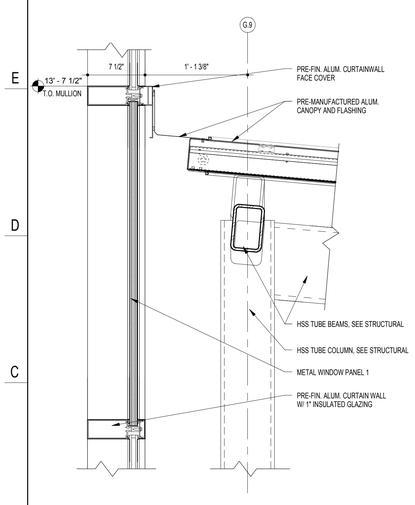

## K5 SECTION AT BATTEN BETWEEN PANELS
3" = 1'-0"



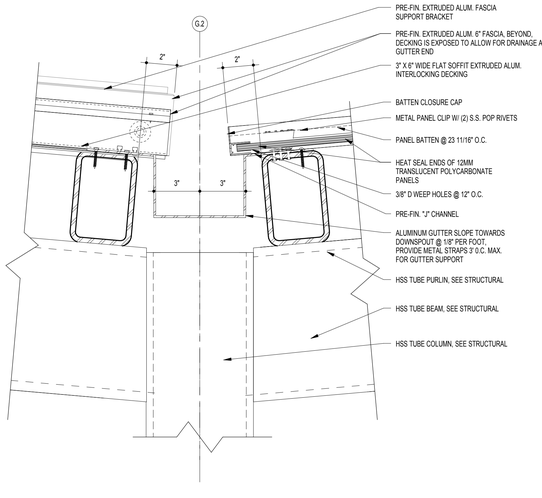

## F9 CANOPY - METAL DECK TO STRUCTURE SECTION
3" = 1'-0"



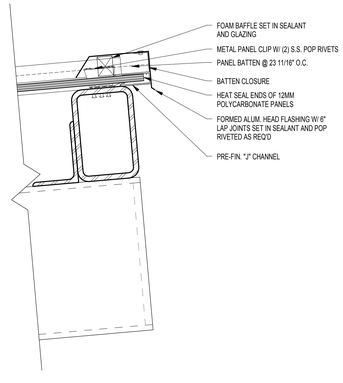

## F4 MAIN ENTRANCE CANOPY SECTION @ DOWNSPOUT
3/4" = 1'-0"



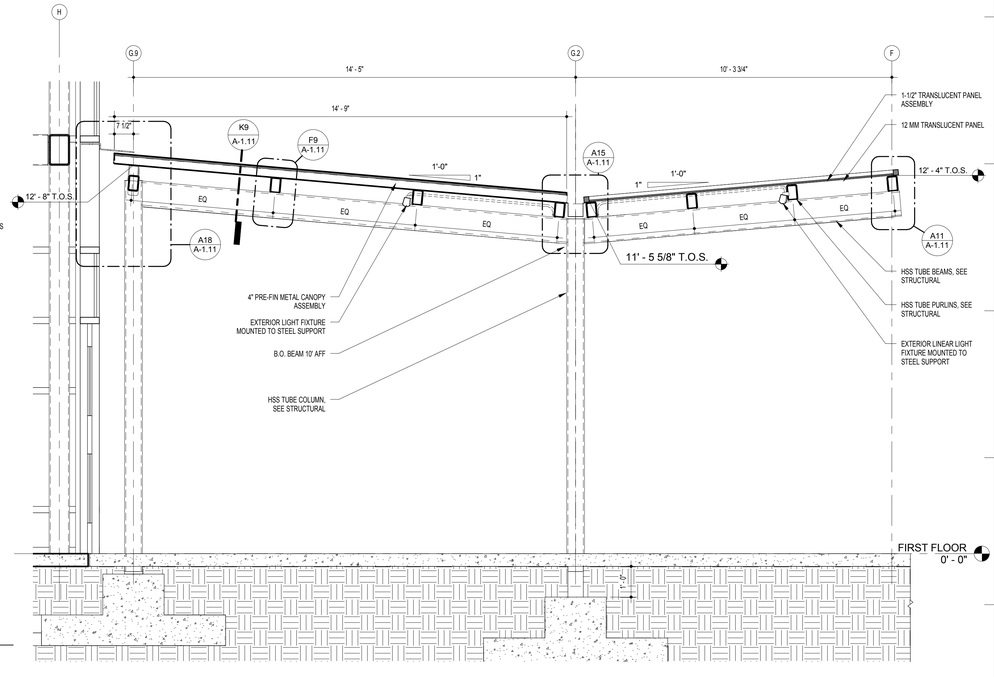

## A18 MAIN ENTRANCE CANOPY FLASHING DETAIL
1 1/2" = 1'-0"




## A15 MAIN ENTRANCE CANOPY - GUTTER DETAIL
3" = 1'-0"




## A11 POLYCARBONATE CANOPY END DETAIL
3" = 1'-0"




## A8 MAIN ENTRANCE CANOPY SECTION
1/2" = 1'-0"

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ENTRY CANOPY DETAILS

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**A-1.11**

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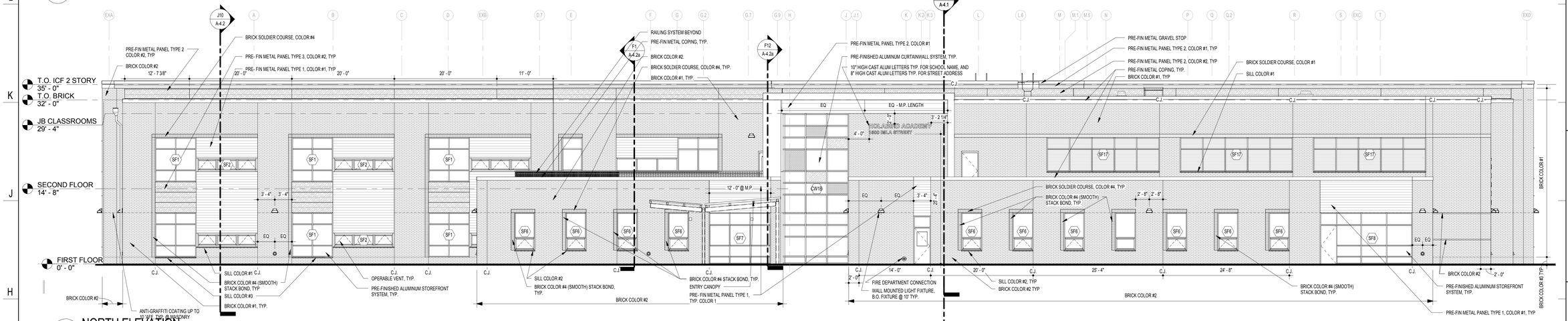
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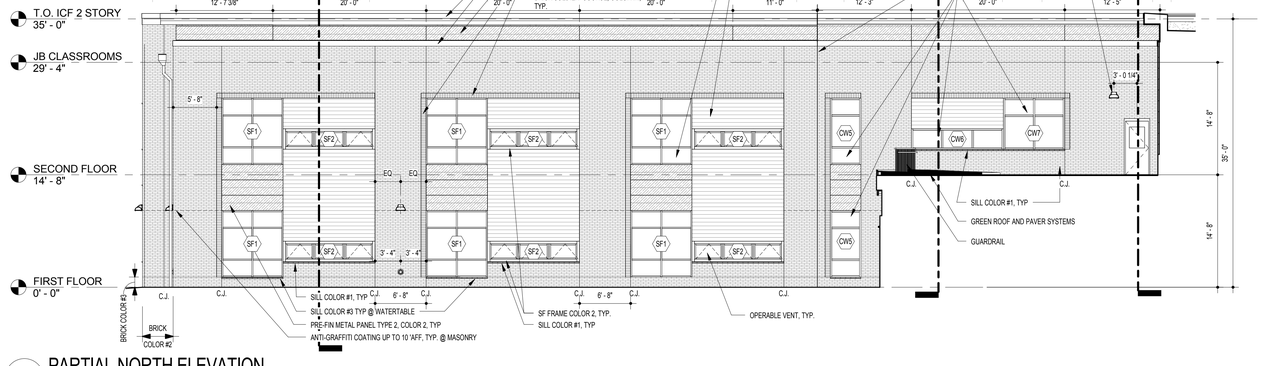


## L18 OVERALL NORTH ELEVATION
1/16" = 1'-0"

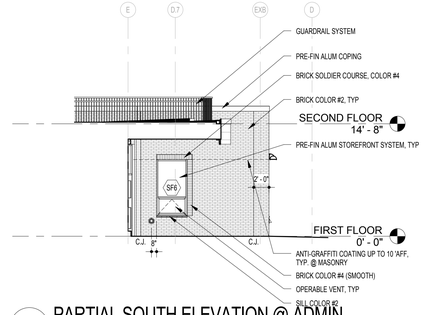
Scale: 1 inch = 16 feet
0 8' 16' 32' 48' 64'




## H18 NORTH ELEVATION
1/8" = 1'-0"




## D18 PARTIAL NORTH ELEVATION
1/8" = 1'-0"




## D9 PARTIAL SOUTH ELEVATION @ ADMIN
1/8" = 1'-0"

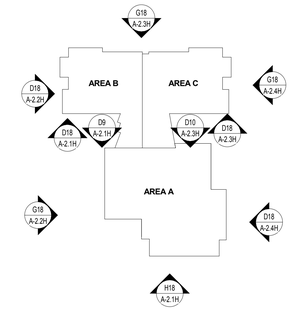
Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

## ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS.
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## KEY PLAN




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ELEVATIONS
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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|---|---|
| | |

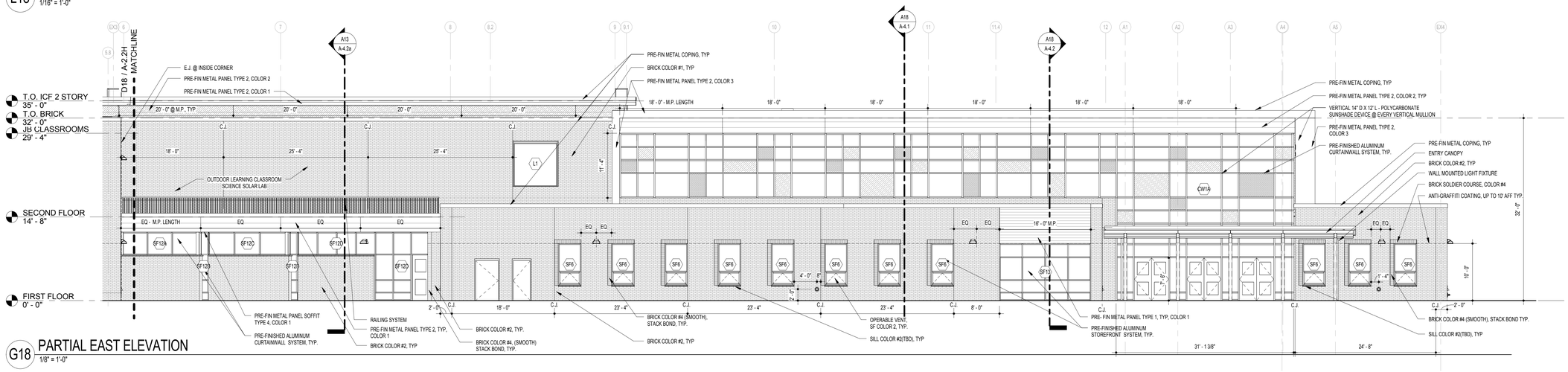
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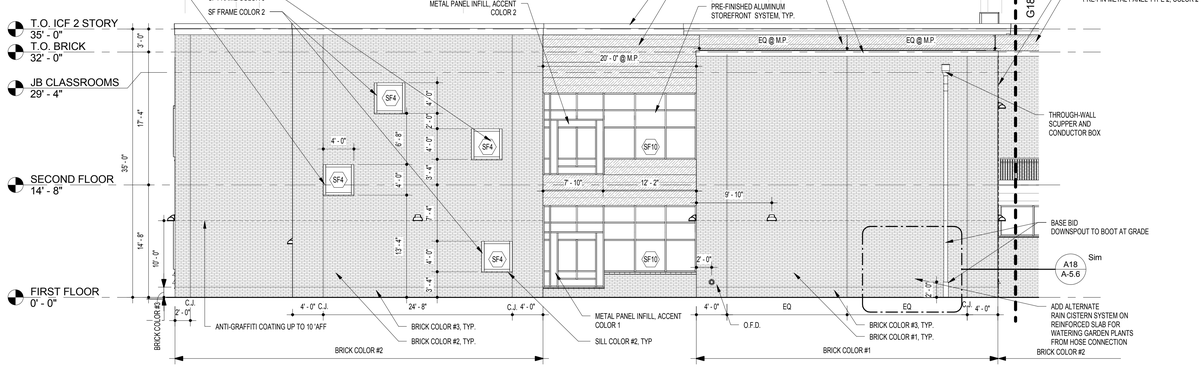
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## L18 OVERALL EAST ELEVATION
1/16" = 1'-0"




## G18 PARTIAL EAST ELEVATION
1/8" = 1'-0"



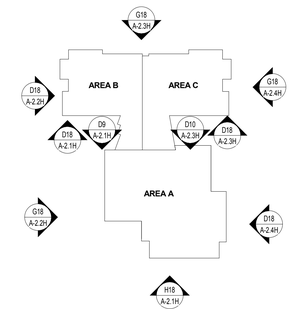

## D18 PARTIAL EAST ELEVATION
1/8" = 1'-0"

## ELEVATION NOTES (NOTES APPLY TO ALL ELEVATION SHEETS)

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## KEY PLAN




Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

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ELEVATIONS

HOLABIRD ACADEMY PK-8
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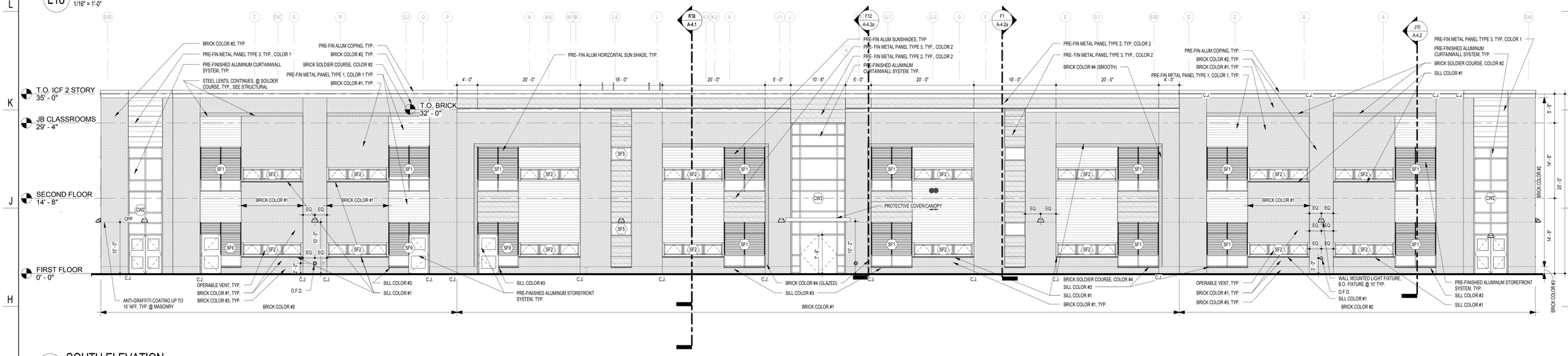
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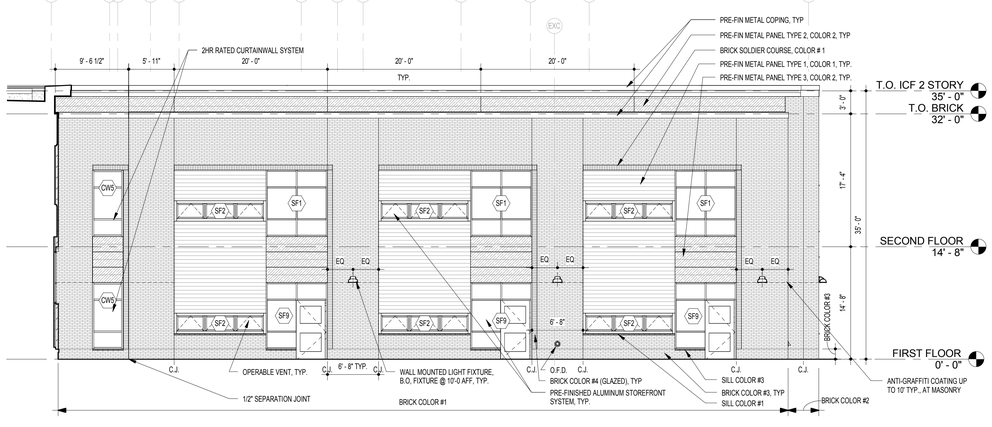
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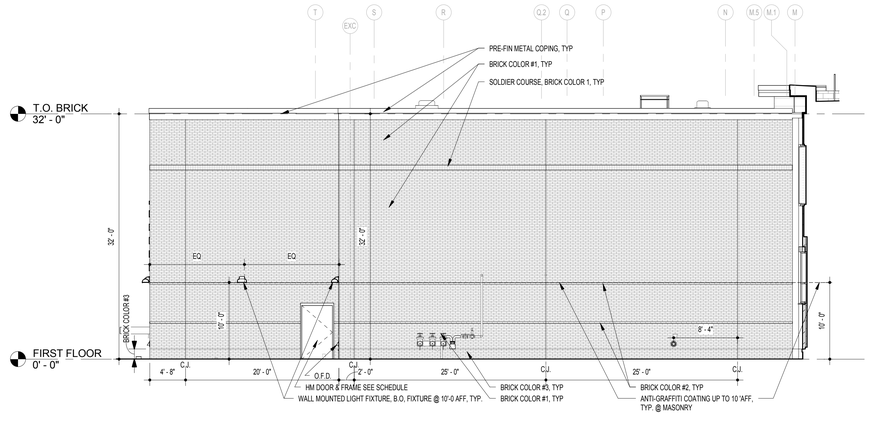
## L18 OVERALL SOUTH ELEVATION
1/16" = 1'-0"




## G18 SOUTH ELEVATION
1/8" = 1'-0"




## D18 PARTIAL NORTH ELEVATION
1/8" = 1'-0"



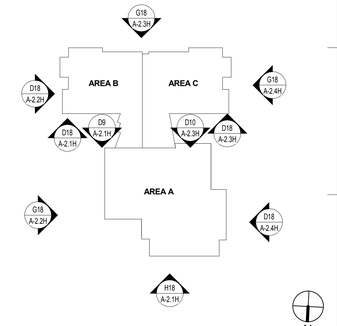

## D10 PARTIAL SOUTH ELEVATION
1/8" = 1'-0"

## ELEVATION NOTES
(NOTES APPLY TO ALL ELEVATION SHEETS)

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ELEVATIONS

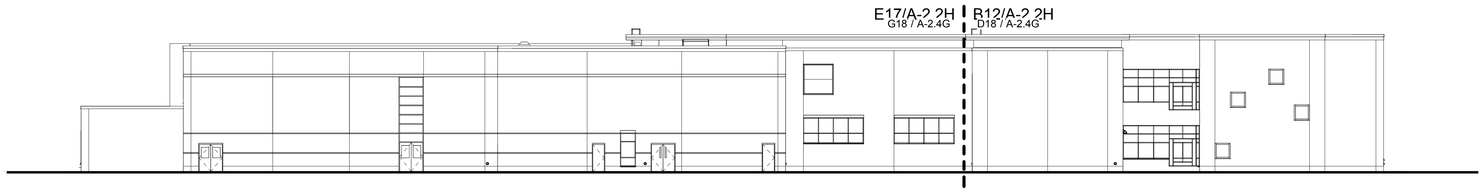
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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|---|---|
| | |

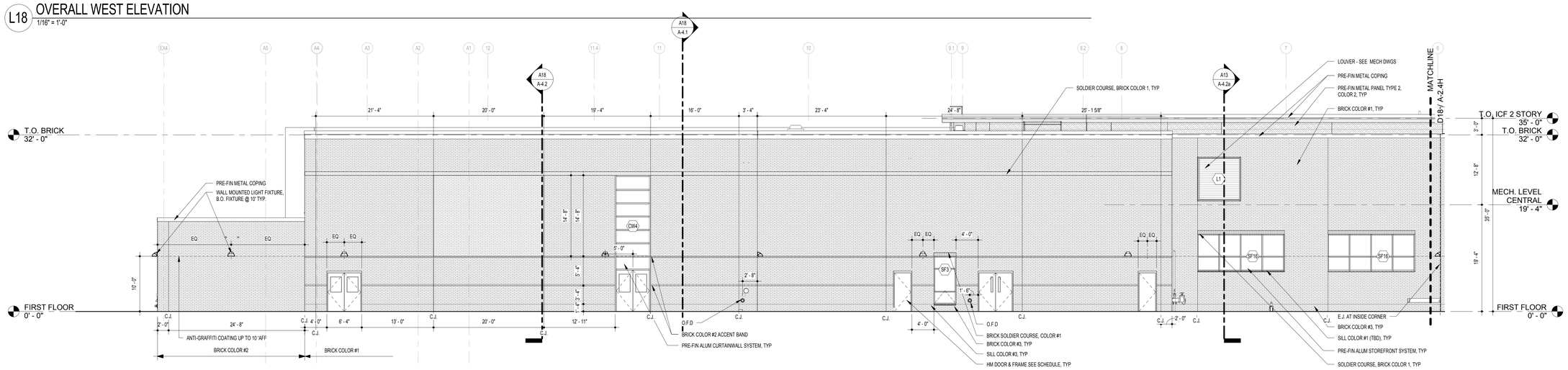
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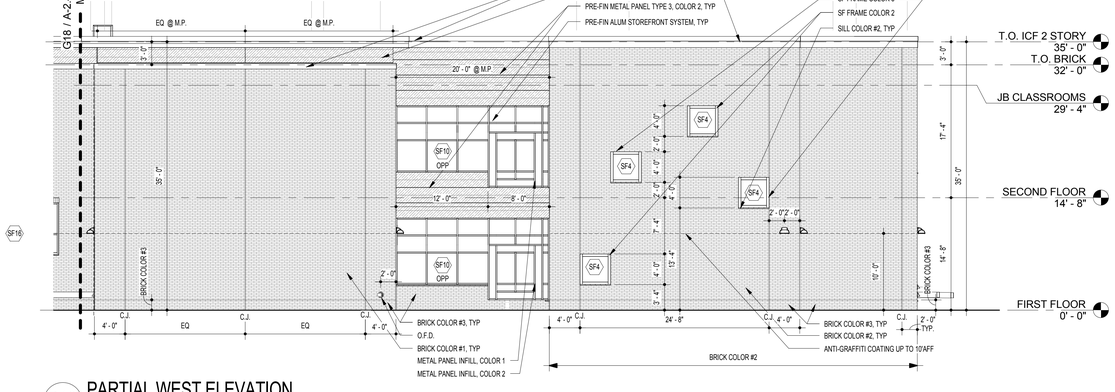
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## L18 OVERALL WEST ELEVATION
1/16" = 1'-0"




## G18 PARTIAL WEST ELEVATION
1/8" = 1'-0"



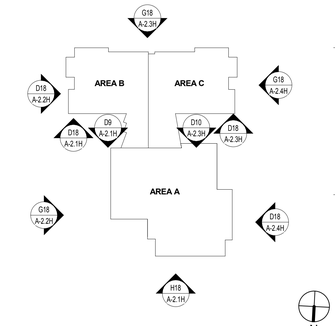

## D18 PARTIAL WEST ELEVATION
1/8" = 1'-0"

## ELEVATION NOTES
(NOTES APPLY TO ALL ELEVATION SHEETS)

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. REFER TO STRUCTURAL DRAWINGS FOR FOOTING ELEVATIONS.
2. MASONRY BOND PATTERN SHALL BE RUNNING BOND UNLESS OTHERWISE INDICATED. REFER TO LARGE SCALE ELEVATION DETAILS FOR MASONRY PATTERNS, BONDING, SPECIAL SHAPES AND MORTAR COLOR PATTERNS.
3. PROVIDE SEALANT AT ALL INTERSECTIONS OF DISSIMILAR MATERIALS IN ACCORDANCE WITH THE SPECIFICATIONS. ALL EXTERIOR SEALANTS TO BE A CUSTOM COLOR SELECTED BY THE ARCHITECT. MORE THAN ONE SEALANT COLOR MAY BE SELECTED FOR USE ALONG THE HEIGHT OF THE SAME JOINT TO MATCH ADJOINING MASONRY OR MORTAR.
4. ALL EXTERIOR EXPOSED STEEL TO BE FIELD PAINTED UNLESS NOTED OTHERWISE. COLOR TO BE SELECTED BY THE ARCHITECT.
5. REFER TO SHEET A-5.10 FOR TYPICAL EXTERIOR CONTROL JOINT DETAILS AND NOTES.
6. REFER TO DRAWING A-5.10 FOR TYPICAL MASONRY DETAILS AND SPECIAL MASONRY SHAPES.
7. REFER TO TYPICAL ROOF FLASHING DETAILS ON SHEET A-5.10 FOR FLASHING REQUIREMENTS.

## KEY PLAN




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G+P GRIMM AND PARKER

GP# 21553

ELEVATIONS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

**A-2.4H**

03/13/2017
BID SET

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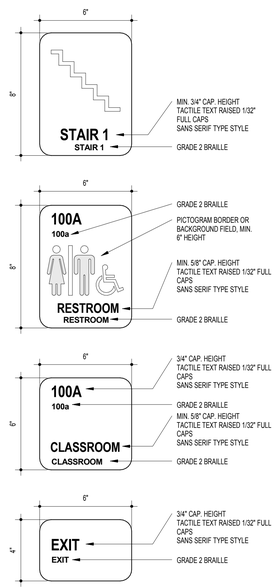
## FINISH SCHEDULE

| RM. NO. | NAME | COLOR SCHEME | FLOOR | BASE | WALLS A | WALLS B | WALLS C | WALLS D | CLG. MATL. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 0001 | GEOTHERMAL PUMP ROOM | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 001A | CORRIDOR | | | | | | | | | |
| 1000 | RECEPTION | | BBT | RST | PTD | PTD | PTD | PTD | APC/GYP | |
| 1001 | A.P. OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1002 | WORKROOM | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1003 | CLOSET | | BBT | RST | PTD | PTD | PTD | PTD | GYP | |
| 1004 | CONFERENCE | | CPT | RST | PTD | PTD | PTD | PTD | APC3 | |
| 1005 | SECURE STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1006 | PRINCIPAL | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1007 | FLEX OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1008 | FLEX OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1009 | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1010 | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1011 | LAUNDRY | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1012 | PERSONAL CARE | | PT | CT | CT | CT | CT | CT | GYP | 4, 15 |
| 1100 | WAITING | | BBT | RST | PTD | PTD | PTD | PTD | APC/GYP | |
| 1101 | STUDENT TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1102 | HEALTH OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1102A | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1103 | REST AREA | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1104 | EXAM/TREATMENT | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1105 | REST AREA | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1106 | EXAM/TREATMENT | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1200 | WAITING/RECEPTION | | BBT | RST | PTD | PTD | PTD | PTD | APC/GYP | |
| 1201 | CONFERENCE | | CPT | RST | PTD | PTD | PTD | PTD | APC3 | |
| 1202 | HEAD END ROOM | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1203 | RECORDS STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1204 | SOCIAL WORKER | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1205 | PSYCHOLOGIST | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1206 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1207 | FLEX OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1208 | ELECTRICAL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1209 | OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1210 | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1211 | OFFICE | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1300 | DINING | | BBT | RST | PTD | PTD/AWP 1 | PTD | PTD | APC3/APC4/GYP/EXP | 2, 7, 20 |
| 1301 | WOMEN | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1301A | TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1302 | MEN | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1302A | CUSTODIAL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1303 | FURNITURE STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1304 | PLATFORM | | WD/BBT | RST | PTD | PTD | PTD | PTD | EXP | 3, 7 |
| 1304A | PLATFORM STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1304B | PLATFORM STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | EXP | |
| 1400 | LOCKERS/SHOWER/ TOILET | | PT | CT | CT | CT | CT | CT | GYP | 4, 15 |
| 1402 | WATER SERVICE | | CONC | NONE | PTD | PTD | PTD | PTD | APC | |
| 1403 | CUSTODIAL | | CONC | NONE | PTD | PTD | PTD | PTD | APC | |
| 1404 | FIRE PUMP | | CONC | NONE | PTD | PTD | PTD | PTD | GYP2 | |
| 1405 | EMERGENCY ELECTRICAL | | CONC | NONE | PTD | PTD | PTD | PTD | GYP2 | |
| 1406 | CENTRAL STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1407 | ELECTRICAL | | CONC | NONE | PTD | PTD | PTD | PTD | GYP2 | |
| 1408 | OPERATIONS OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1408x | RECEIVING | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1409 | OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1410 | TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1410A | LOCKER | | PT | CT | CT | CT | CT | CT | GYP | |
| 1411 | SOAP STORAGE | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | GYP | |
| 1412 | KITCHEN | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1413 | SERVING | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1414 | DISH/TRAY RETURN | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1415 | WALK-IN COOLER | | | | | | | | | SEE SPECIFICATION |
| 1416 | WALK-IN FREEZER | | | | | | | | | SEE SPECIFICATION |
| 1417 | DRY STORAGE | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1418 | PANTRY | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1419 | CORRIDOR | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1500 | GYMNASIUM | | WD | VRB | PTD/AWP 1 | PTD/AWP 1 | PTD/AWP 1 | PTD/AWP 1 | EXP | 7, 9, 17 |
| 1501 | SECURITY OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1503 | OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1504 | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1511 | P.E. OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1600 | COMMUNITY LEARNING CENTER | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1601 | CONFERENCE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1602 | OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1603 | OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1604 | FAMILY RESOURCE ROOM | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1605 | OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1606 | CLOSET | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1607 | TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1608 | PANTRY | | EPOXY | EPOXY | PTD | PTD | PTD | PTD | FRP | |
| 1609 | CUSTODIAL | | | | | | | | | |
| 1700 | MEDIA CENTER | | CPT | RST | PTD | PTD | PTD/DWC | PTD | EXP/APC2/APC4/GYP | 2, 7 |
| 1701 | WORKROOM/STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1703 | LARGE REHEARSAL | | BBT | RST | PTD/AWP2 | PTD/AWP 2 | PTD/AWP 2 | PTD/AWP2 | APC3/DPC | 7 |
| 1704 | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1705 | SMALL REHEARSAL | | BBT | RST | PTD/AWP2 | PTD/AWP 2 | PTD/AWP 2 | PTD/AWP2 | APC3/DPC | 7 |
| 1710 | OT/PT | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1710A | TOILET | | PT | CT | CT | CT | CT | CT | GYP | |
| 1710B | OT/PT STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1711 | SP. ED. OFFICE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1711A | SP. ED. STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1720 | CUSTODIAL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1721 | ART STUDIO | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1721A | KILN | | CONC2 | RST | PTD | PTD | PTD | PTD | APC | |
| 1721B | ART STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1722 | TECH ED LAB | | BBT | RST | PTD | PTD | PTD | PTD/DWC | APC | |
| 1722A | SUPPLY STORAGE/IT ADMIN | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1800 | TELECOM/UTILITY | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1801 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1802 | PLANNING | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1802A | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1802B | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1803 | FACULTY LOUNGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1803A | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1804 | ELECTRICAL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1805 | GRADE 3 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1805A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1805E | GYM STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1805F | LOCKERS/SHOWER/TOILET | | PT | CT | CT | CT | CT | CT | GYP | 4, 15 |
| 1805G | LOCKERS/SHOWER/TOILET | | PT | CT | CT | CT | CT | CT | GYP | 4, 15 |
| 1805H | LOCKERS/SHOWER/TOILET | | PT | CT | CT | CT | CT | CT | GYP | 4, 15 |
| 1806 | RESOURCE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1807 | GRADE 1 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1807A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1808 | GRADE 3 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1808A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1809 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1810 | GRADE 2 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1810A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1811 | GRADE 1 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1811A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1812 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1813 | GRADE 2 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1813A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1820 | COLLABORATIVE LEARNING | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| 1900 | PLANNING | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 1900A | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1902 | SPECIAL EDUCATION PK-2 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1902A | TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1903A | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 1904 | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1905 | PRE-K | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1905A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1906 | RESOURCE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1907 | PRE-K | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1907A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1908 | KINDERGARTEN | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1908A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1909 | PRE-K | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1909A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1910 | KINDERGARTEN | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1910A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1911 | KINDERGARTEN | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 1911A | PK-2 TOILET | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 1920 | COLLABORATIVE LEARNING | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| 2000 | SCIENCE LAB | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2000A | PREP/STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2100 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |

## FINISH SCHEDULE

| RM. NO. | NAME | COLOR SCHEME | FLOOR | BASE | WALLS A | WALLS B | WALLS C | WALLS D | CLG. MATL. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| 2101 | MECHANICAL ROOM - CENTRAL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2200 | FLEX | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2201 | WOMEN | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 2202 | TOILET | | PT | CT | CT | CT | CT | CT | GYP | |
| 2203 | MEN | | PT | CT | CT | CT | CT | CT | GYP | 15 |
| 2203B | CUSTODIAL | | | | | | | | | |
| 2204 | PLANNING | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 2204A | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | |
| 2204B | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2205 | MECH/UTILITY | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2206 | SPECIAL EDUCATION 3-5 | | BBT | RST | PTD | PTD | PTD | PTD | APC | 15 |
| 2207 | ELEVATOR CONTROL | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2208 | RESOURCE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2209 | FLEX | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2210 | GRADE 5 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2211 | GRADE 4 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2212 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2213 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2214 | GRADE 5 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2215 | GRADE 4 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2220 | COLLABORATIVE LEARNING | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| 2300 | FLEX | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2300E | TOILET | | PT | CT | CT | CT | CT | CT | GYP | |
| 2301 | WOMEN | | PT | CT | CT | CT | CT | CT | GYP | |
| 2302 | PLANNING | | CPT | RST | PTD | PTD | PTD | PTD | APC | |
| 2302A | STORAGE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2302B | STAFF TOILET | | PT | CT | CT | CT | CT | CT | GYP | |
| 2303 | MEN | | PT | CT | CT | CT | CT | CT | GYP | |
| 2304 | SPECIAL EDUCATION 6-8 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2305 | RESOURCE | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2306 | GRADE 6 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2307 | GRADE 6 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2308 | GRADE 8 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2309 | GRADE 7 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2310 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2311 | MECH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| 2312 | GRADE 8 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2313 | GRADE 7 | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| 2320 | COLLABORATIVE LEARNING | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| 2501 | MECHANICAL ROOM - GYM | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| C15A | VESTIBULE | | RM | RST | PTD | PTD | PTD | PTD | APC2/GYP | |
| C100 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC/GYP | |
| C110 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| C120 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| C130 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD/AWP | EXP/APC2/APC4/GYP | 2, 7, 17 |
| C131 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | - | APC2/GYP | |
| C140 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| C160 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| C161 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC | |
| C171 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| C172 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/GYP | |
| C180 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| C190 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| C200 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| C210 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/GYP | |
| C220 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| C230 | CORRIDOR | | BBT | RST | PTD | PTD | PTD | PTD | APC2/APC4/GYP | |
| E1 | ELEVATOR | | BBT | NONE | NONE/PTD | NONE/PTD | NONE/PTD | NONE/PTD | SEE SPEC. | 14 |
| E100 | CAN WASH | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| E101 | OUTDOOR STORAGE | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| E102 | OUTDOOR STORAGE | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| RA21 | RAMP 2 | | BBT | RST | PTD | PTD | PTD | PTD | EXP | 3, 5 |
| ST6 | STAIR 6 | | | | | | | | | |
| ST12 | STAIR 1 | | BBT/RBR/CONC3 | RST | PTD | WCV | PTD | PTD | GYP | 19 |
| ST20 | STAIR 2 | | BBT/RBR | RST | PTD | PTD | PTD | PTD | EXP | 18, 19 |
| ST21 | STAIR 2 | | BBT/RBR | RST | PTD | PTD | PTD | PTD | EXP | 18, 19 |
| ST22 | STAIR 2 | | BBT/RBR | RST | PTD | PTD | PTD | PTD | EXP | 18, 19 |
| ST31 | STAIR 3 | | BBT/RBR | RST | PTD | PTD | PTD | PTD | EXP | 18, 19 |
| ST32 | STAIR 3 | | BBT/RBR | RST | PTD | PTD | PTD | PTD | EXP | 18, 19 |
| ST42 | STAIR 4 | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| ST51 | STAIR 5 | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| ST52 | STAIR 5 | | CONC | NONE | PTD | PTD | PTD | PTD | EXP | |
| V100 | VESTIBULE | | RM/VCT | RST | PTD | PTD/WCV | PTD | PTD | EXP/APC4/GYP | 2 |
| V1600 | VESTIBULE | | CONC2 | RST | PTD | PTD | PTD | PTD | GYP | |
| V1806 | VESTIBULE | | CONC2 | RST | PTD | PTD | PTD | PTD | GYP | |

## ROOM SIGNAGE




SIGN NOTES:

1. ROOM SIGNS TO BE PROVIDED AT EVERY DOOR. EXACT ROOM NUMBER TO BE DETERMINED BY OWNER.
2. SIGNS TO BE MOUNTED WITH DOUBLE STICK TAPE AND SILICONE ADHESIVE. SEAL PERIMETER WITH CLEAR SILICONE CAULKING.
3. PROVIDE BLANK SIGN FOR BACK WHERE MOUNTED ON GLASS SIDELITE.
4. SIGNAGE PACKAGE SHALL BE COORDINATED WITH OWNERS DESIGN STANDARDS.
5. INCLUDE SIGNS WITH TEXT AND GRAPHIC TO BE INSTALLED AT EACH ELEVATOR LANDING: 'IN CASE OF FIRE DO NOT USE ELEVATOR. USE FIRE EXIT STAIRWAY.'
6. TACTILE EXIT SIGNS TO BE PROVIDED AT EVERY EXIT DOOR.

## TYPICAL FINISHES

SPACES NOT LISTED ON THE SCHEDULE SHALL HAVE THE TYPICAL FINISHES LISTED BELOW:

FLOORS: BBT
BASE: RST
WALLS: PTD
CEILING: APC

GYP. BD. ABOVE H.M. FRAMES AS INDICATED ON SECTIONS. DETAILS TO RECEIVE SAME TOP COATS AS ADJACENT WALLS UNLESS OTHERWISE NOTED.

## FINISH MATERIALS

### FLOORS

| | |
|---|---|
| CONC | CONCRETE WITH HARDENER |
| CONC2 | SEALED CONCRETE |
| CONC3 | TROWELED CONCRETE |
| CPT | CARPET |
| EPOXY | EPOXY FLOORING |
| PT | PORCELAIN TILE |
| BBT | BIOBASED TILE |
| RBR | RUBBER TREADS |
| RM | RECESSED MAT - WALK OFF |
| WD | WOOD FLOOR |

### BASES

| | |
|---|---|
| CT | CERAMIC TILE |
| EPOXY | EPOXY BASE |
| NONE | NO BASE |
| RST | RESILIENT BASE |
| VRB | VENTED RUBBER BASE |

### CEILINGS

| | |
|---|---|
| APC | ACOUSTIC PANEL CLG. - 2'X4' - TYPE 1 |
| APC2 | ACOUSTIC PANEL CLG. - 2'X4' - TYPE 2 |
| APC3 | ACOUSTIC PANEL CLG. - 2'X2' |
| APC4 | SNAP IN METAL PAN CEILING - 2'X2' |
| ADP | ACOUSTIC DIFFUSER CLG. PANEL - 2'X2' |
| EXP | EXPOSED CONSTRUCTION - PAINTED |
| FRP | GLASS FIBER PANEL CEILING |
| GYP | GYPSUM BOARD, PAINTED |
| GYP2 | RATED SHAFTWALL CEILING (SEE CODE STUDY FOR RATING REQUIREMENTS) |

### WALLS

| | |
|---|---|
| AWP1 | ACOUSTICAL WALL PANEL TYPE 1 |
| AWP2 | ACOUSTICAL WALL PANEL TYPE 2 |
| CMU | UNPAINTED C.M.U. |
| CT | CERAMIC TILE |
| PTD | PAINTED |
| WCV | WALL COVERING SYSTEM |
| DWC | DRY-ERASE WALL COVERING |

## WALL KEY

WALLS ON FINISH SCHEDULE ARE DENOTED THUS:




TYPICAL UNLESS OTHERWISE NOTED.

## TYPICAL NOTES

1. REFER TO FLOOR PLANS, CEILING PLANS, INTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION AND EXTENT OF EACH FINISH WHEN MORE THAN ONE FINISH IS INDICATED FOR ANY SPACE.
2. SEE CEILING PLANS FOR HEIGHTS OF CEILINGS AND LOCATIONS AND HEIGHTS OF BULKHEADS, SOFFITS, ETC.
3. PAINT ALL EXPOSED STEEL LADDERS, LINTELS, HUNG PLATES, HAND AND GUARD RAILS, STAIRS AND STRINGERS.
4. PAINT ALL EXPOSED STEEL COLUMNS, TRUSSES, JOISTS, BEAMS, DECK, AND MISCELLANEOUS BRIDGING, ANGLES, PLATES, ETC.
5. INSTALL CERAMIC TILE COVE BASE FLUSH WITH FLOOR TILE AND FLUSH WITH CERAMIC WALL TILE.
6. FIELD PAINT ALL EXPOSED, NON-FACTORY FINISHED STRUCTURAL, MECHANICAL, OR ELECTRICAL COMPONENTS.
7. PROVIDE SEALANT AT INTERSECTIONS OF DISSIMILAR MATERIALS, COMPLYING WITH SPECIFICATIONS.
8. REFER TO INTERIOR ELEVATIONS AND SECTIONS FOR ADDITIONAL FINISH INFORMATION. PROVIDE ALL FINISH MATERIALS SHOWN IN PLANS, ELEVATIONS OR SECTIONS AS NOTED OR DEPICTED ON THE DRAWINGS AND SPECIFICATIONS.
9. BRING CONFLICTS TO THE ARCHITECTS ATTENTION DURING THE BIDDING PERIOD FOR CLARIFICATION.
10. WALL AND CEILING FINISHES SHALL INCLUDE ALL PROJECTIONS, BEAM ENCLOSURES, RECESSES, BULKHEADS, MATERIAL CHANGES, OR OTHER ENCLOSURES.
11. ELECTRICAL OUTLETS, CLOCKS, P.A. SPEAKERS OR OTHER DEVICES SHOWN ON THE ARCHITECTURAL DRAWINGS SERVE TO CALL ATTENTION TO THE PRESENCE OF SUCH DEVICES. NOT ALL DEVICES MAY BE SHOWN ON ARCHITECTURAL DRAWINGS. CONSULT THE OTHER DRAWINGS FOR FURTHER INFORMATION AND ADVISE ARCHITECT OF ANY CONFLICT OF LOCATION OR TYPE OF DEVICES SHOWN. COORDINATE ALL WORK, FINISHES AND DEVICES.
12. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT TOILET ROOMS, & SERVICE CLOSETS FOR WALLS DESIGNATED AS GYPSUM BOARD WALL TYPES. PROVIDE TILE BACKER BOARD AT WALLS DESIGNATED AS GYPSUM BOARD WALL TYPES WITH TILE FINISH.
13. FIELD PAINT ELECTRICAL PANELS EXCEPT PANELS LOCATED IN ELECTRICAL CLOSETS AND MECHANICAL ROOMS.
14. BRING CONFLICTS BETWEEN THE FINISH SCHEDULE AND MATERIALS SHOWN ON OTHER DRAWINGS (AND/OR SPECIFICATIONS) TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY. IF A CONFLICT EXISTS IN/BETWEEN DRAWINGS (AND/OR SPECIFICATIONS), THE MORE STRINGENT AND MORE COSTLY REQUIREMENT SHALL APPLY.
15. PAINT COLUMNS TO MATCH ADJACENT WALL PATTERN AND COLOR UNLESS NOTED OTHERWISE.

## NUMBERED REMARKS

WHEN SHOWN IN THE REMARKS COLUMN OF THE FINISH SCHEDULE:

1. EXPOSED CONSTRUCTION (STRUCTURE, ROOF DECK, MECHANICAL EQUIPMENT, DUCTS (SUPPLY AND RETURN), PLUMBING PIPING, SPRINKLER PIPING, CONDUIT, WIRE TRAYS) WILL EACH BE PAINTED SEPERATE COLORS TO BE SELECTED BY ARCHITECT.
2. EXPOSED CONSTRUCTION PAINTED AND HANGING ACOUSTICAL CEILING TREATMENT
3. EXPOSED CONSTRUCTION PAINTED FLAT BLACK
4. PROVIDE FULL HEIGHT CERAMIC TILE AT SHOWER AND AT FLOOR OF SHOWER.
5. PROVIDE SLIP RESISTANT BBT @ RAMP.
6. SEE ALTERNATES FOR CERAMIC TILE ON WALLS AND FLOORS (NOT USED).
7. SEE INTERIOR ELEVATIONS FOR ACOUSTIC PANEL LOCATIONS.
8. SEE REFLECTED CEILING PLAN FOR INTERACTIVE ACOUSTIC PANEL LOCATIONS.
9. SEE INTERIOR ELEVATIONS FOR WALL SAFETY PADS.
10. NOT USED
11. FOUR COLORS OF BBT WILL BE USED IN A PATTERN IDENTIFIED BY ARCHITECT.
12. THREE COLORS OF BBT WILL BE USED IN A PATTERN IDENTIFIED BY ARCHITECT.
13. TWO COLORS OF BBT WILL BE USED IN A PATTERN IDENTIFIED BY ARCHITECT.
14. PAINT PIT FLOOR AND WALLS AND UPPER SECTION OF SHAFT FROM SECOND FLOOR DOOR HEAD TO UNDERSIDE OF DECK WHITE.
15. PROVIDE FULL HEIGHT CERAMIC TILE ON ALL WALLS.
16. NOT USED
17. PAINTED GRAPHIC ON WALL
18. STAIR HAS APC AT UPPER EXTENTS OF STAIR. EXP AT INTERMEDIATE LEVELS. SEE REFLECTED CLG. PLANS.
19. BBT 2 LANDINGS , RBR TREADS AND RISERS.
20. REFER TO SHEET A-5.6 FOR FINISH DETAILS AT WONDERWALL ON WEST SIDE OF DINING ROOM.

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GP# 21553

FINISH SCHEDULE
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

A-3.1

03/13/2017
BID SET

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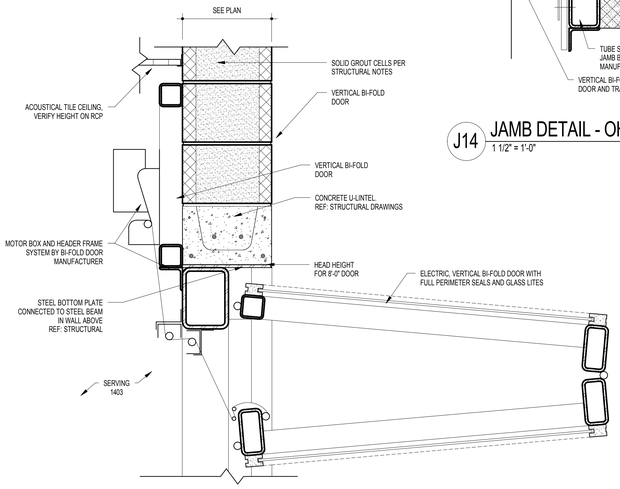
## DOOR SCHEDULE

| DOOR NO. | ROOM | DOOR NOMINAL SIZE WIDTH | HEIGHT | THK. | DOOR TYPE | DOOR MAT'L | FRAME MAT'L | FRAME TYPE | FRAME SECTIONS JAMB | HEAD | SILL | DOOR LABEL FIRE RATING | HARDWARE SET | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 6' - 3" | 7' - 6" | 1 3/4" | FG2 | ALUM | ALUM | CW2 | | | | | | 2 |
| 0001 | STAIR 2 | 6' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J11 | H11 | S2 | 60 MIN | 321 | |
| 0001A | GEOTHERMAL PUMP ROOM | 6' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J1 | H1 | | | 321 | |
| 1000A | RECEPTION | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 21 | J1 | H3 | | | 414 | 1, 24 |
| 1000B | RECEPTION | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 21 | J1 | H3 | | | 414 | 1, 24 |
| 1000C | RECEPTION | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | | | 111 | 1 |
| 1001 | A.P. OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1002 | WORKROOM | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 110 | |
| 1003 | CLOSET | 6' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 810 | |
| 1004 | CONFERENCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 110 | |
| 1005 | SECURE STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 811 | |
| 1006 | PRINCIPAL | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1007 | FLEX OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1008 | FLEX OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1009 | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 1010 | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 811 | 1 |
| 1011 | LAUNDRY | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 717 | |
| 1012 | PERSONAL CARE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 113 | |
| 1100A | WAITING | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 21 | J1 | H3 | | | 711 | 1 |
| 1100B | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 716 | |
| 1101 | STUDENT TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1102 | HEALTH OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J2 | H2 | | | 510 | |
| 1102A | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 810 | |
| 1104 | EXAM/TREATMENT | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | | | 110 | |
| 1106 | EXAM/TREATMENT | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | | | 110 | |
| 1200 | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 11 | J1 | H3 | | | 713 | 1 |
| 1201 | CONFERENCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 12A | J2/H10 | H2 | S3 | | 110 | |
| 1202 | HEAD END ROOM | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 718 | 1, 22 |
| 1203 | RECORDS STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 811 | 1 |
| 1204 | SOCIAL WORKER | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1205 | PSYCHOLOGIST | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1206 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S1 | | 718 | 1 |
| 1207 | FLEX OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1208 | ELECTRICAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S1 | 60 MIN | 718 | 1, 22 |
| 1209 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1210 | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 1211 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | S3 | | 510 | |
| 1271 | PANTRY | 4' - 0" | 4' - 8" | 2" | S | | | | J12 | H12 | S4 | | | OVERHEAD COILING COUNTER DOOR |
| 1300A | DINING | 6' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H3 | | | 445 | 2 |
| 1300B | DINING | 6' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H3 | | | 445 | 2 |
| 1300C | DINING | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J13 | H13 | S6 | | 510 | |
| 1301A | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 117 | |
| 1302A | CUSTODIAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 812 | |
| 1303 | FURNITURE STORAGE | 6' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J6 | H5 | | | 822 | 1 |
| 1304A | PLATFORM STORAGE | 6' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 822 | 1 |
| 1400 | LOCKERS/SHOWER/ TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 113 | |
| 1402 | WATER SERVICE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 812 | 1 |
| 1403 | CUSTODIAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 812 | |
| 1404 | FIRE PUMP | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | 90 MIN | 812 | 1 |
| 1405 | EMERGENCY ELECTRICAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | 90 MIN | 311 | 1, 14 |
| 1406 | CENTRAL STORAGE | 6' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 822 | 1 |
| 1407 | ELECTRICAL | 6' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | 60 MIN | 321 | 1,2, 14 |
| 1408 | OPERATIONS OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 510 | |
| 1409 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H1 | | | 510 | |
| 1410 | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 112 | |
| 1410A | LOCKER | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 215 | |
| 1411 | SOAP STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 710 | 14 |
| 1412B | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J1 | H1 | | | 512 | |
| 1413 | SERVING | 10' - 0" | 8' - 0" | | | | | | J14 | H14 | | | | OVERHEAD FOLDING GLASS DOOR |
| 1413A | SERVING | 10' - 0" | 8' - 0" | | | | | | J14 | H14 | | | | OVERHEAD FOLDING GLASS DOOR |
| 1414 | DISH/TRAY RETURN | 4' - 0" | 4' - 8" | 2" | S | | | | J12 | H12 | S4 | | | OVERHEAD COILING COUNTER DOOR |
| 1417 | DRY STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 812 | |
| 1418 | PANTRY | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J6 | H5 | | | 710 | |
| 1500 | GYMNASIUM | 8' - 0" | 7' - 10" | 1 3/4" | HG | HM | HM | 2 | J13 | H13 | S6 | | 325 | 2 |
| 1500B | GYM STORAGE | 6' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J13 | H13 | S6 | | 822 | 1 |
| 1500C | GYMNASIUM | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J13 | H13 | S6 | | 211 | 13 |
| 1500D | VESTIBULE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J13 | H13 | S6 | | 211 | 13 |
| 1501 | SECURITY OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 510 | |
| 1503 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J13 | H13 | S6 | | 510 | |
| 1504 | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 812 | |
| 1511 | P.E. OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 510 | |
| 1600 | VESTIBULE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J13 | H13 | | | 314 | 1 |
| 1600B | COMMUNITY LEARNING CENTER | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J2 | H2 | | | 317 | |
| 1601 | CONFERENCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 710 | |
| 1602 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 510 | |
| 1603 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 510 | |
| 1604 | FAMILY RESOURCE ROOM | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 317 | |
| 1605 | OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 510 | |
| 1606 | CLOSET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 110 | |
| 1607 | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 112 | |
| 1608 | PANTRY | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 710 | |
| 1608A | PANTRY | 4' - 0" | 4' - 8" | 2" | S | | | | J15 | H15 | S8 | | | OVERHEAD COILING COUNTER DOOR |
| 1609 | CUSTODIAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | | |
| 1700 | MEDIA CENTER | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 21 | | H3 | | | 915 | 2 |
| 1701 | WORKROOM/STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J2 | H2 | S3 | | 710 | |
| 1703 | LARGE REHEARSAL | 6' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H3 | | | 445 | |
| 1704A | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 812 | 1 |
| 1704B | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 812 | 1 |
| 1705 | SMALL REHEARSAL | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 21 | J1 | H3 | | | 915 | |
| 1710 | OT/PT | 3' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J1 | H1 | | 60 MIN | 511 | 1 |
| 1710A | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1710B | OT/PT STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 812 | |
| 1711 | SP. ED. OFFICE | 3' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J1 | H1 | | 60 MIN | 511 | 1 |
| 1711A | SP. ED. STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 810 | |
| 1720 | CUSTODIAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 812 | |
| 1721 | ART STUDIO | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 29 | J1 | H3 | | | 713 | |
| 1721A | KILN | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 717 | 1 |
| 1721B | ART STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 717 | 1 |
| 1721C | ART STUDIO | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1722 | TECH ED LAB | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 29 | J1 | H3 | | | 713 | |
| 1722A | SUPPLY STORAGE/IT ADMIN | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | | | 812 | 1 |
| 1722B | TECH ED LAB | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H1 | | | 713 | |
| 1800 | TELECOM/UTILITY | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 22 |
| 1801 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 1802 | PLANNING | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 10 | J1 | H4 | S3 | | 712 | |
| 1802A | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S3 | | 812 | 1 |
| 1802B | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 1803 | FACULTY LOUNGE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H1 | | | 712 | |
| 1803A | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 1804 | ELECTRICAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 1805 | GRADE 3 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 27 | J1 | H1 | | | 713 | |
| 1805A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1805F | LOCKERS/SHOWER/TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J13 | H13 | S6 | | 211 | 1 |
| 1805G | LOCKERS/SHOWER/TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S6 | | 213 | 1, 13 |
| 1805H | LOCKERS/SHOWER/TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S6 | | 213 | 1, 13 |
| 1806 | RESOURCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 13A | J1 | H4 | | | 712 | |
| 1807 | GRADE 1 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1807A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1808 | GRADE 3 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1808A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1809 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 1810 | GRADE 2 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1810A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1811 | GRADE 1 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1811A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1812 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 1813 | GRADE 2 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 1813A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1900 | PLANNING | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | S3 | | 712 | |
| 1900A | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 1902 | SPECIAL EDUCATION PK-2 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J1 | H1 | | | 713 | |
| 1902A | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1903 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 1904 | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 812 | |
| 1905 | PRE-K | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1905A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1906 | RESOURCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | HM13A | J1 | H4 | | | 712 | |
| 1907 | PRE-K | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1907A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1908 | KINDERGARTEN | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1908A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1909 | PRE-K | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1909A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 1910 | KINDERGARTEN | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1910A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |

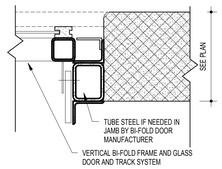
## DOOR SCHEDULE

| DOOR NO. | ROOM | DOOR NOMINAL SIZE WIDTH | HEIGHT | THK. | DOOR TYPE | DOOR MAT'L | FRAME MAT'L | FRAME TYPE | FRAME SECTIONS JAMB | HEAD | SILL | DOOR LABEL FIRE RATING | HARDWARE SET | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1911 | KINDERGARTEN | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | | | 713 | |
| 1911A | PK-2 TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 117 | |
| 2000 | SCIENCE LAB | 3' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J1 | H1 | | 60 MIN | 716 | 1 |
| 2000A | PREP/STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 717 | 1 |
| 2100 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 14, 22 |
| 2101 | MECHANICAL ROOM - CENTRAL | 6' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J13 | H13 | S5 | 90 MIN | 321 | 1 |
| 2200 | FLEX | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2202 | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 117 | |
| 2203B | CUSTODIAL | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | | |
| 2204 | PLANNING | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | S3 | | 712 | |
| 2204A | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 2204B | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 812 | 1 |
| 2205 | MECH/UTILITY | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 22 |
| 2206 | SPECIAL EDUCATION 3-5 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 27 | J1 | H1 | | | 713 | |
| 2207 | ELEVATOR CONTROL | 3' - 6" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | 90 MIN | 812 | |
| 2208 | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | HM13A | J1 | H4 | | | 712 | |
| 2209 | FLEX | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2210 | GRADE 5 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2211 | GRADE 4 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2212 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 2213 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 718 | 1, 22 |
| 2214 | GRADE 5 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2215 | GRADE 4 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2300 | FLEX | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2300A | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | | | 812 | 1 |
| 2300E | TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S2 | | 117 | |
| 2302 | PLANNING | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 4 | J1 | H1 | S3 | | 712 | |
| 2302A | STORAGE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S3 | | 812 | 1 |
| 2302B | STAFF TOILET | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J2 | H2 | S2 | | 112 | |
| 2304 | SPECIAL EDUCATION 6-8 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2305 | RESOURCE | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 25B | J1 | H4 | | | 712 | |
| 2306 | GRADE 6 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2307 | GRADE 6 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2308 | GRADE 8 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2309 | GRADE 7 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2310 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J1 | H1 | S1 | | 118 | 1 |
| 2311 | MECH | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | S1 | | 118 | 1 |
| 2312 | GRADE 8 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| 2313 | GRADE 7 | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 3 | J1 | H1 | | | 713 | |
| C100 | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 28 | J1 | H1 | | | 713 | 1 |
| C100A | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 2 | J2 | H2 | | | 716 | |
| C130A | CORRIDOR | 6' - 0" | 7' - 0" | 1 3/4" | FG2 | ALUM | ALUM | SF14 | J16 | H17 | | | 421 | 1, 2, 23 |
| C130B | CORRIDOR | 6' - 0" | 7' - 0" | 1 3/4" | FG2 | ALUM | ALUM | SF14 | J16 | H17 | | | 420 | 1, 2, 24 |
| C140 | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 213 | 1 |
| C172A | CORRIDOR | 8' - 0" | 7' - 10" | 1 3/4" | NV | HM | HM | 1 | J1 | H1 | | | | |
| C172B | CORRIDOR | 8' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J1 | H3 | | | 220 | 1,2, 6 |
| C172C | CORRIDOR | 8' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H3 | | | 220 | 1, 2, 6 |
| C172D | VESTIBULE | 7' - 0" | 7' - 0" | 1 3/4" | F | ALUM | ALUM | SF15 | J16 | H16 | | | 420 | 2 |
| ST6 | VESTIBULE | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | | 811 | 1 |
| ST11 | CORRIDOR | 6' - 0" | 7' - 10" | 1 3/4" | NV | HM | HM | 1 | J13 | H13 | S5 | 90 MIN | 326 | 1,2, 5, 14 |
| ST11A | CORRIDOR | 8' - 0" | 7' - 10" | 1 3/4" | NV | HM | HM | 1 | J1 | H1 | | 60 MIN | 326 | 1, 2, 5, 14 |
| ST12 | CORRIDOR | 8' - 0" | 7' - 10" | 1 3/4" | NV | HM | HM | 1 | J1 | H1 | | 60 MIN | 324 | 1, 2, 5, 14 |
| ST21 | STAIR 2 | 6' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J13 | H13 | | 60 MIN | 324 | 2, 5, 14 |
| ST21A | STAIR 2 | 3' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J1 | H1 | | 60 MIN | 811 | 1 |
| ST22 | STAIR 2 | 6' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J13 | H13 | | 60 MIN | 324 | 1, 5, 14 |
| ST31 | STAIR 3 | 6' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J13 | H13 | | 60 MIN | 324 | 5, 14 |
| ST32 | STAIR 3 | 6' - 0" | 7' - 0" | 1 3/4" | NV | SCWD | HM | 1 | J13 | H13 | | 60 MIN | 324 | 1, 5, 14 |
| ST51 | STAIR 5 | 3' - 0" | 7' - 0" | 1 3/4" | F | SCWD | HM | 1 | J1 | H1 | | 60 MIN | 811 | 1, 14 |
| ST52 | STAIR 5 | 3' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J1 | H1 | | 60 MIN | 114 | 1 |
| X1 | VESTIBULE | 6' - 0" | 7' - 6" | 1 3/4" | FG2 | ALUM | ALUM | CW1A | | | A18/A-5.10 | | 442 | 1, 2, 4, 22, 23, 24 |
| X2 | VESTIBULE | 6' - 0" | 7' - 6" | 1 3/4" | FG2 | ALUM | ALUM | CW1A | | | A18/A-5.10 | | 440 | 1, 2 |
| X3 | VESTIBULE | 6' - 0" | 7' - 6" | 1 3/4" | FG2 | ALUM | ALUM | CW1A | | | A18/A-5.10 | | 440 | 1, 2 |
| X5 | CORRIDOR | 3' - 0" | 7' - 0" | 1 3/4" | HG | SCWD | HM | 1 | J9 | H9 | A18/A-5.10 | | 319 | 2 |
| X6 | COMMUNITY LEARNING CENTER | 3' - 0" | 7' - 6" | 1 3/4" | F | ALUM | ALUM | SF8 | | | A18/A-5.10 | | 319 | 2 |
| X7 | GYMNASIUM | 6' - 0" | 7' - 0" | 1 3/4" | HG | HM | HM | 1 | J9 | H9 | A18/A-5.10 | | 323 | 2 |
| X8 | GYMNASIUM | 6' - 0" | 7' - 6" | 1 3/4" | HG | ALUM | ALUM | CW4 | | | A18/A-5.10 | | 440 | |
| X9 | KITCHEN | 4' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J9 | H9 | A18/A-5.10 | | 817 | 1, 8 |
| X10 | CAN WASH | 3' - 0" | 7' - 0" | 1 3/4" | F | HM | HM | 1 | J9 | H9 | A18/A-5.10 | | 817 | 8 |
| X11 | RECEIVING | 6' - 0" | 7' - 0" | 1 3/4" | NV | HM | HM | 1 | J9 | H9 | A18/A-5.10 |

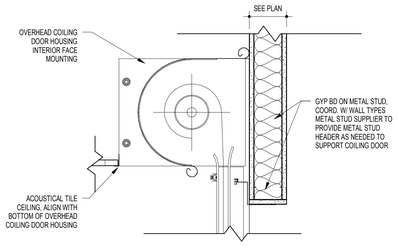
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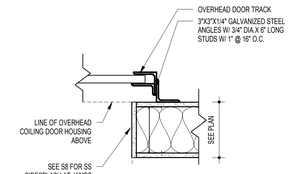

H14 HEAD DETAIL - OH BI-FOLD DOOR
1 1/2" = 1'-0"



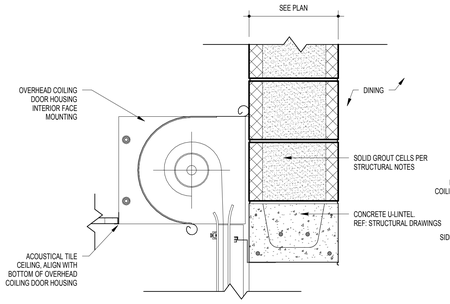

J14 JAMB DETAIL - OH BIFOLD DOOR
1 1/2" = 1'-0"



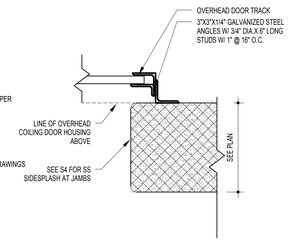

H15 HEAD DETAIL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"



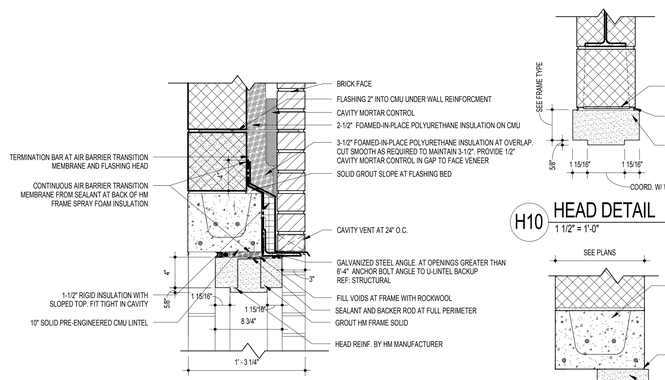

J15 JAMB DETAIL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"



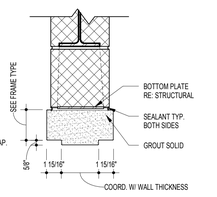

H12 HEAD DETAIL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"



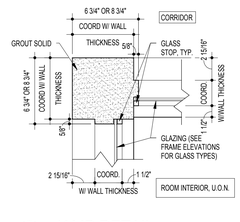

J12 JAMB DETAIL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"



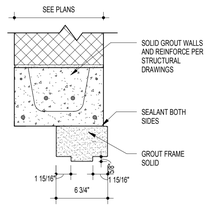

H9 HEAD DETAIL - EXTERIOR
1 1/2" = 1'-0"



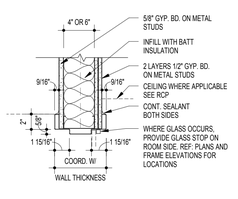

H10 HEAD DETAIL
1 1/2" = 1'-0"



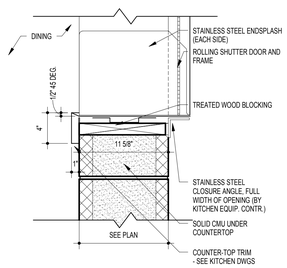

J10 JAMB DETAIL
1 1/2" = 1'-0"



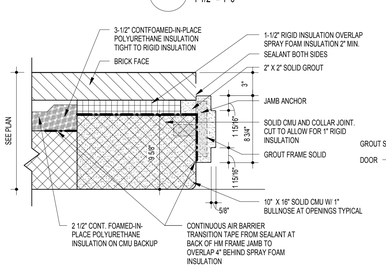

H5 HEAD DETAIL
1 1/2" = 1'-0"



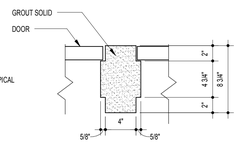

H4 HEAD DETAIL
1 1/2" = 1'-0"



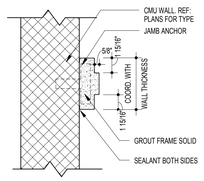

S4 SILL DETAIL - ROLLING COUNTER SHUTTER
1 1/2" = 1'-0"
S8 SIMILAR BUT METAL STUD AND GYP. BOARD WALL. SEE PLAN FOR DIMENSIONS



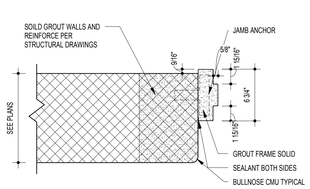

J9 JAMB DETAIL - EXTERIOR
1 1/2" = 1'-0"



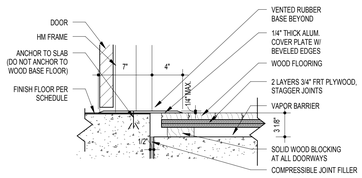

J8 INTERMEDIATE MULLION
1 1/2" = 1'-0"



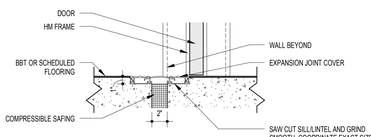

J7 JAMB DETAIL
1 1/2" = 1'-0"




J6 JAMB DETAIL
1 1/2" = 1'-0"



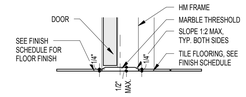

S6 GYM WOOD FLOOR THRESHOLD
1 1/2" = 1'-0"



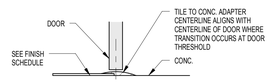

S5 SILL AT EXPANSION JOINT
1 1/2" = 1'-0"




S3 SILL
1 1/2" = 1'-0"

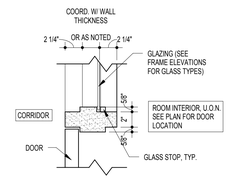



S2 MARBLE THRESHOLD
1 1/2" = 1'-0"

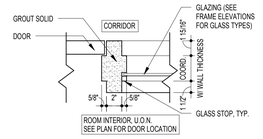



S1 TRANSITION STRIP
1 1/2" = 1'-0"

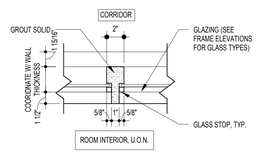
## BORROWED LIGHT DETAILS



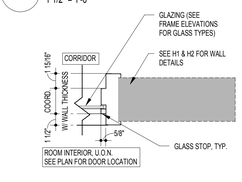

H3 TRANSOM
1 1/2" = 1'-0"




J5 JAMB DETAIL
1 1/2" = 1'-0"

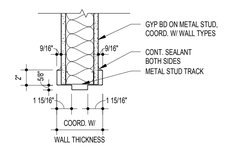



J4 INTERMEDIATE MULLION
1 1/2" = 1'-0"

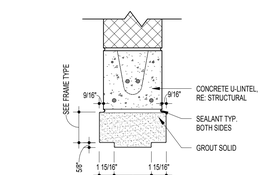



J3 HEAD/JAMB/SILL DETAIL
1 1/2" = 1'-0"

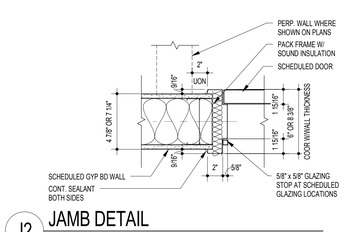
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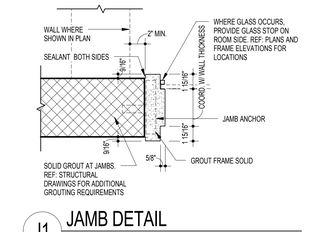

H2 HEAD DETAIL
1 1/2" = 1'-0"




H1 HEAD DETAIL
1 1/2" = 1'-0"




J2 JAMB DETAIL
1 1/2" = 1'-0"




J1 JAMB DETAIL
1 1/2" = 1'-0"

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GP# 21553

HEAD, SILL AND JAMB DETAILS

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CITY OF BALTIMORE, MARYLAND

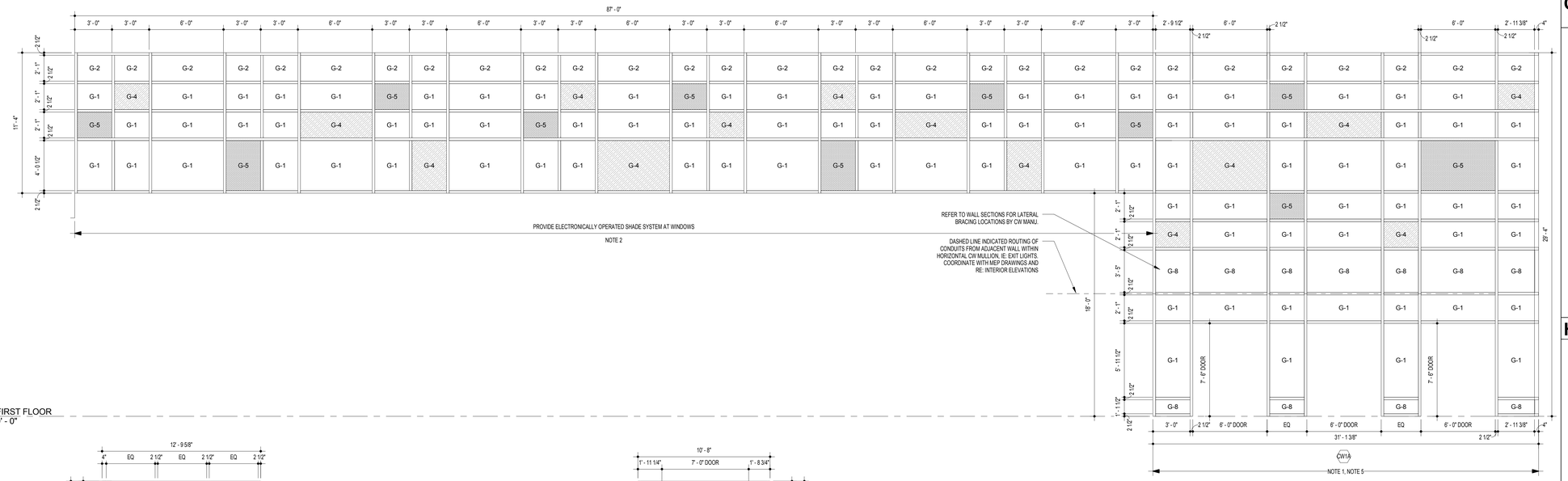
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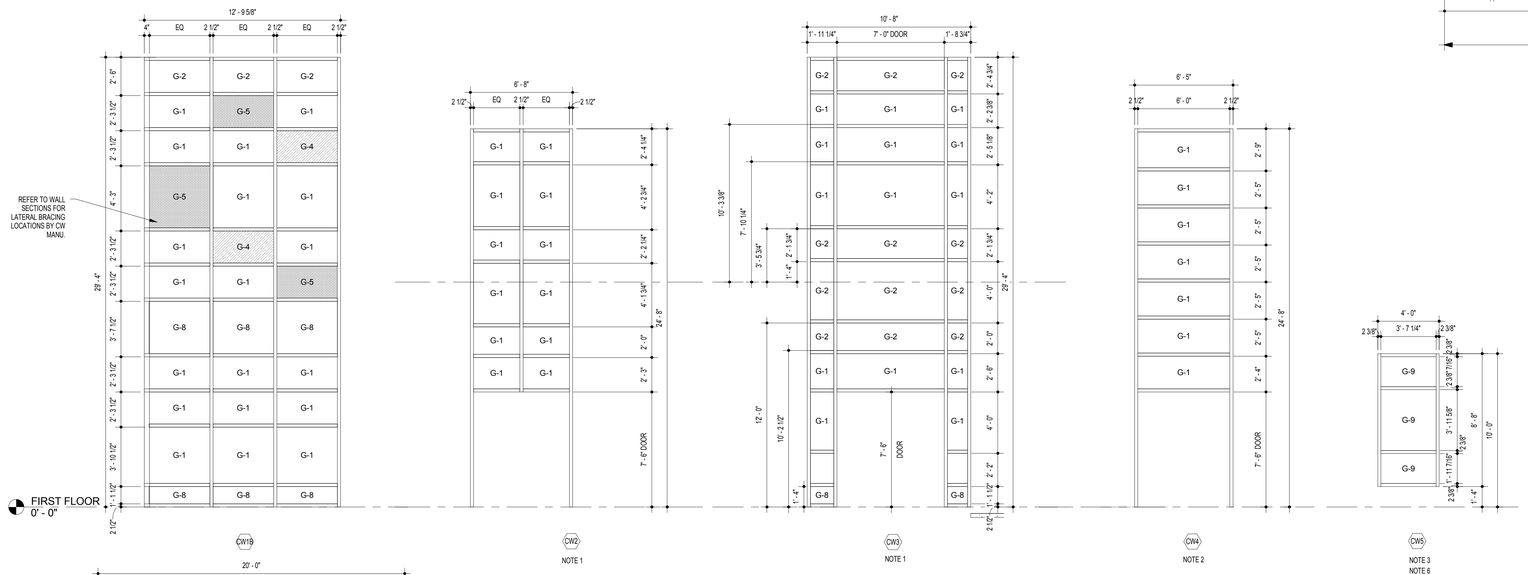
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03/13/2017
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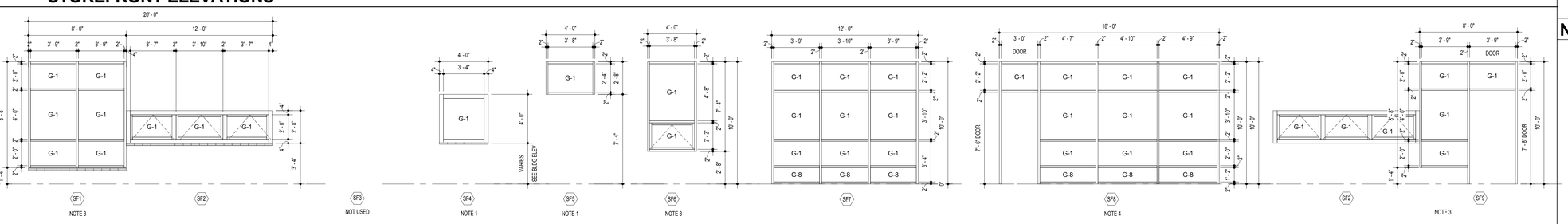
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# CURTAINWALL ELEVATIONS

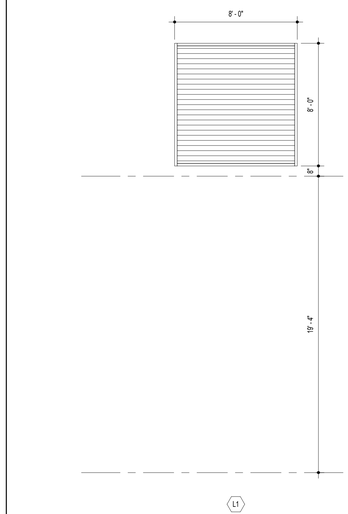



# STOREFRONT ELEVATIONS




# LOUVER ELEVATION




# STOREFRONT AND CURTAINWALL NOTES

NOTES APPLY TO ALL FRAME ELEVATION SHEETS

1. VERIFY MASONRY & ROUGH OPENINGS, INCLUDING BUT NOT LIMITED TO STRUCTURAL LINTEL LOCATIONS, PRIOR TO FABRICATION.
2. COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL WINDOWS, STOREFRONT AND CURTAINWALL INCLUDING SUBFRAMES, AS REQUIRED.
3. CONTINUOUSLY SEAL ALL SIDES OF STOREFRONT AND SUBFRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY.
4. PROVIDE APPROPRIATE ANCHORAGE SYSTEM FOR ALL CONDITIONS TO SECURE WINDOWS IN ROUGH OPENINGS. PROVIDE SUBFRAMING AS SHOWN ON DETAILS AND/OR SPECIFIED.
5. SEE HEAD, JAMB, AND SILL DETAIL SHEET FOR MORE INFORMATION.
6. PROVIDE FOR THERMAL EXPANSION AT ALL STOREFRONT SYSTEMS.
7. COORDINATE FRAMES WITH PLAN WHEN MORE THAN ONE CONSTRUCTION DETAIL IS REFERENCED.
8. AS REQUIRED FOR DESIGN LOADING, WINDOW MANUFACTURER SHALL PROVIDE MULLION REINFORCING AND VERTICAL EXTENSIONS UP TO STRUCTURE ABOVE (ATTACHMENT TO STRUCTURE BY MANUFACTURER). SEE SECTIONS AND DETAILS FOR ADDITIONAL WORK RELATING TO STOREFRONT SYSTEM.
9. IDENTIFICATION OF OPENING TYPES AS "CURTAINWALL" OR "STOREFRONT" IS BASED ON SYSTEM REQUIREMENTS OF A PARTICULAR MANUFACTURER. CONTRACTOR IS TO DETERMINE BEST APPLICATION OF PROPOSED MANUFACTURE AND SYSTEM BASED ON PERFORMANCE REQUIREMENTS, SIZE OF OPENING, AND INSTALLATION CONDITION.
10. OVERALL DIMENSIONS OF STOREFRONT ARE APPROXIMATE. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL STOREFRONT, INCLUDING SUBFRAMES, AS REQUIRED. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS, PRIOR TO FABRICATION.
11. PROVIDE MANUAL SHADES AT ALL EXTERIOR WINDOWS, UNLESS OTHERWISE NOTED.
12. COORDINATE STOREFRONT AND CURTAINWALL SYSTEMS WITH AIR BARRIER TRANSITION MEMBRANE SYSTEM AND MANUFACTURER-RECOMMENDED DETAILS FOR A COMPLETE AIR BARRIER SYSTEM.
13. PROVIDE TRANSLUCENT ROLLER SHADES AT ALL EXTERIOR OPENINGS UNLESS NOTED OTHERWISE.

# HOLLOW METAL FRAME NOTES

1. CONTRACTOR SHALL VERIFY ALL MASONRY AND ROUGH OPENINGS WITH HOLLOW METAL FRAME SIZES.
2. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURER AND INSTALL HOLLOW METAL FRAMES. VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS.
3. CONTINUOUSLY SEAL ALL SIDES OF HOLLOW METAL FRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY (EXCEPT AT DOOR SILLS UNLESS OTHERWISE NOTED).
4. TYPICAL WIDTH OF RETURNS ON HOLLOW METAL FRAMES IS 1 15/16" AT HEADS, JAMBS, AND SILLS. CENTER SECTION OF FRAME VARIES IN WIDTH WITH RESPECTIVE WALL TYPE. SEE PLANS.
5. SEE HEAD, JAMB, AND SILL DETAIL SHEET FOR MORE INFORMATION.
6. FILL ALL HOLLOW METAL (HM) FRAMES ABUTTING MASONRY WITH GROUT. FILL INTERMEDIATE MEMBERS AS SHOWN IN DETAILS (TYPICAL).

# GLASS TYPE KEY

G-1 1" INSULATING GLASS: CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE

G-2 1" INSULATING GLASS: CONSISTING OF
1/4" TEMPERED EXTERIOR LITE W/ LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE,
1/4" TEMPERED INTERIOR LITE WITH SPANDREL COATING ON THIRD SURFACE

G-3 1" INSULATING GLASS: CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1/4" HEAT STRENGTHENED LAMINATED GLASS W/ HORIZONTAL FRIT ON THIRD SURFACE

G-4 1" INSULATING GLASS: CONSISTING OF
1/4" TEMPERED TINTED EXTERIOR LITE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE WITH LOW E COATING ON THIRD SURFACE

G-5 1" INSULATING GLASS: CONSISTING OF
1/4" TEMPERED TINTED EXTERIOR LITE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE WITH LOW E COATING ON THIRD SURFACE

G-6 1/4" THICK CLEAR FLOAT GLASS

G-7 1/4" THICK CLEAR TEMPERED SAFETY GLASS

G-8 INSULATED METAL PANEL INFILL BY STOREFRONT/CURTAINWALL MANUFACTURER

G-9 5/16" THICK LAMINATED FIRE RATED GLASS

G-10 1/8" THICK FIRE RATED POLYCARBONATE SHEET

G-11 2 - 5/16" FIRE RATED INSULATING GLASS: CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1 9/16" FIRE RESISTANT GLAZING INTERIOR LITE

# NUMBERED REMARKS

NOTE 1: PROVIDE NO TRANSLUCENT ROLLER SHADES AT THIS FRAME OPENING.

NOTE 2: PROVIDE ELECTRIC MOTOR TRANSLUCENT ROLLER SHADES AT THIS FRAME OPENING.

NOTE 3: PROVIDE PRE-FINISHED ALUMINUM SUNSHADES (HORIZONTAL LOUVERS IN VERTICAL FRAME) AS SHOWN ON ELEVATIONS

NOTE 4: PROVIDE PRE-FINISHED ALUMINUM SUNSHADES, 24" PROJECTION HORIZONTALLY, AS SHOWN ON ELEVATIONS

NOTE 5: NOT USED

NOTE 6: AT OPENINGS IN 2 HOUR FIREWALL, PROIVDE 2 HOUR FIRE RATED CURTAINWALL SYSTEM.

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GP# 21553

FRAMING ELEVATIONS - CURTAINWALL

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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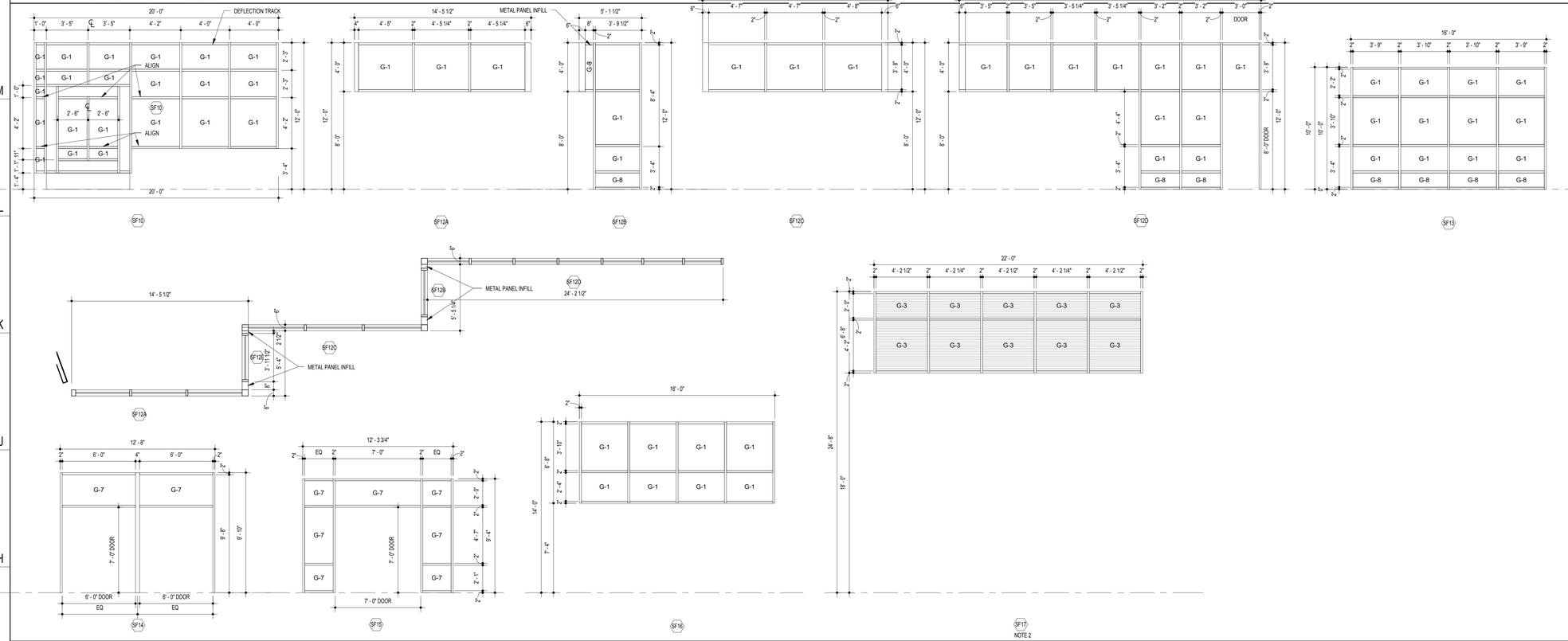
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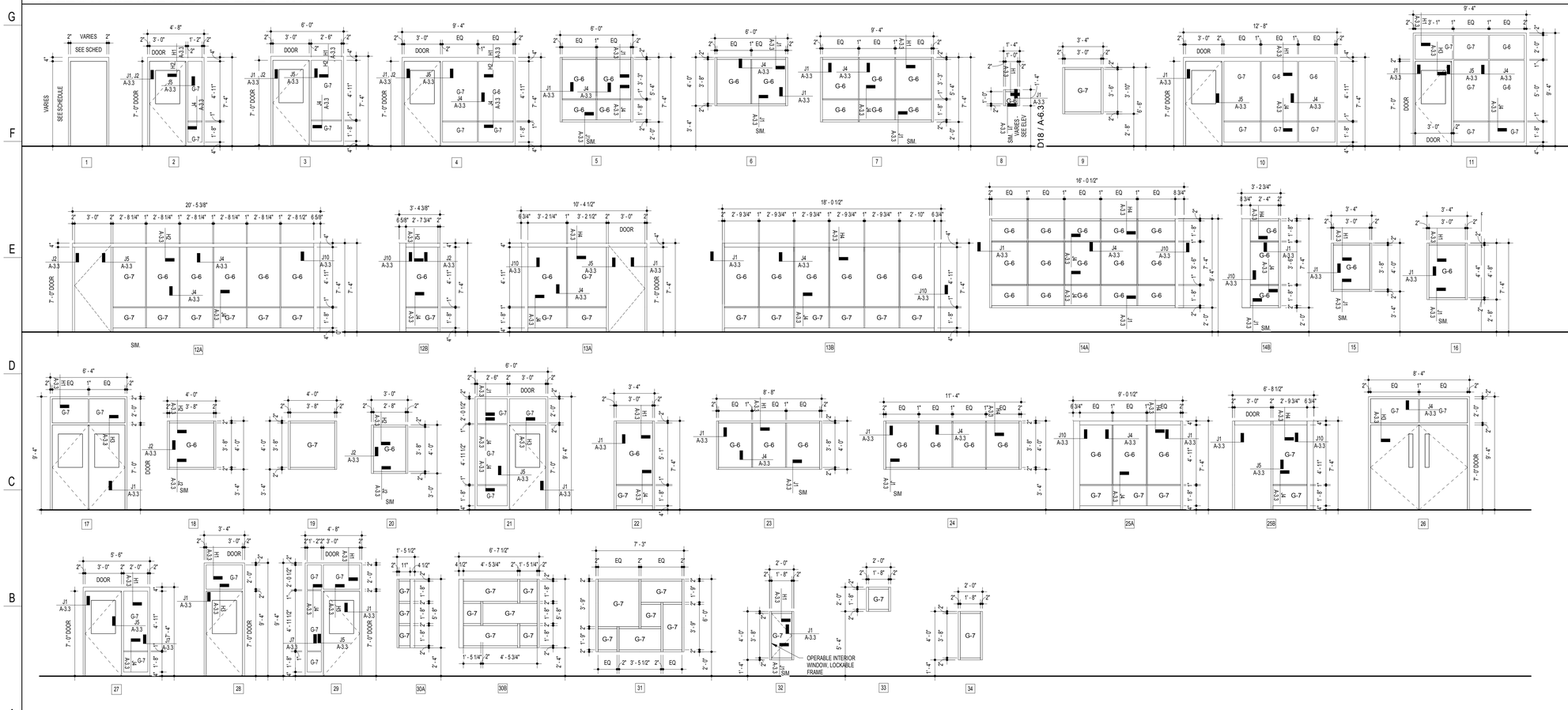
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# STOREFRONT ELEVATIONS




# HOLLOW METAL FRAME ELEVATIONS




# STOREFRONT AND CURTAINWALL NOTES

NOTES APPLY TO ALL FRAME ELEVATION SHEETS

1. VERIFY MASONRY & ROUGH OPENINGS, INCLUDING BUT NOT LIMITED TO STRUCTURAL LINTEL LOCATIONS, PRIOR TO FABRICATION.
2. COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL WINDOWS, STOREFRONT AND CURTAINWALL INCLUDING SUBFRAMES, AS REQUIRED.
3. CONTINUOUSLY SEAL ALL SIDES OF STOREFRONT AND SUBFRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY.
4. PROVIDE APPROPRIATE ANCHORAGE SYSTEM FOR ALL CONDITIONS TO SECURE WINDOWS IN ROUGH OPENINGS. PROVIDE SUBFRAMING AS SHOWN ON DETAILS AND/OR SPECIFIED.
5. SEE HEAD, JAMB, AND SILL DETAIL SHEET FOR MORE INFORMATION.
6. PROVIDE FOR THERMAL EXPANSION AT ALL STOREFRONT SYSTEMS.
7. COORDINATE FRAMES WITH PLAN WHEN MORE THAN ONE CONSTRUCTION DETAIL IS REFERENCED.
8. AS REQUIRED FOR DESIGN LOADING, WINDOW MANUFACTURER SHALL PROVIDE MULLION REINFORCING AND VERTICAL EXTENSIONS UP TO STRUCTURE ABOVE (ATTACHMENT TO STRUCTURE BY MANUFACTURER). SEE SECTIONS AND DETAILS FOR ADDITIONAL WORK RELATING TO STOREFRONT SYSTEM.
9. IDENTIFICATION OF OPENING TYPES AS "CURTAINWALL" OR "STOREFRONT" IS BASED ON SYSTEM REQUIREMENTS OF A PARTICULAR MANUFACTURER. CONTRACTOR IS TO DETERMINE BEST APPLICATION OF PROPOSED MANUFACTURE AND SYSTEM BASED ON PERFORMANCE REQUIREMENTS, SIZE OF OPENING, AND INSTALLATION CONDITION.
10. OVERALL DIMENSIONS OF STOREFRONT ARE APPROXIMATE. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURE AND INSTALL STOREFRONT, INCLUDING SUBFRAMES, AS REQUIRED. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS, PRIOR TO FABRICATION.
11. PROVIDE MANUAL SHADES AT ALL EXTERIOR WINDOWS, UNLESS OTHERWISE NOTED.
12. COORDINATE STOREFRONT AND CURTAINWALL SYSTEMS WITH AIR BARRIER TRANSITION MEMBRANE SYSTEM AND MANUFACTURER-RECOMMENDED DETAILS FOR A COMPLETE AIR BARRIER SYSTEM.
13. PROVIDE TRANSLUCENT ROLLER SHADES AT ALL EXTERIOR OPENINGS UNLESS NOTED OTHERWISE.

# HOLLOW METAL FRAME NOTES

1. CONTRACTOR SHALL VERIFY ALL MASONRY AND ROUGH OPENINGS WITH HOLLOW METAL FRAME SIZES.
2. CONTRACTOR TO COORDINATE REQUIRED TOLERANCES IN ALL DIMENSIONS NEEDED TO MANUFACTURER AND INSTALL HOLLOW METAL FRAMES. VERIFY ACTUAL DIMENSIONS IN THE FIELD WITH THOSE SHOWN ON ALL DRAWINGS, INCLUDING DETAILS SHOWN ON OTHER SHEETS.
3. CONTINUOUSLY SEAL ALL SIDES OF HOLLOW METAL FRAMES ABUTTING DISSIMILAR MATERIALS AT JAMBS, HEADS, AND SILLS, TYPICALLY (EXCEPT AT DOOR SILLS UNLESS OTHERWISE NOTED).
4. TYPICAL WIDTH OF RETURNS ON HOLLOW METAL FRAMES IS 1 15/16" AT HEADS, JAMBS, AND SILLS. CENTER SECTION OF FRAME VARIES IN WIDTH WITH RESPECTIVE WALL TYPE. SEE PLANS.
5. SEE HEAD, JAMB, AND SILL DETAIL SHEET FOR MORE INFORMATION.
6. FILL ALL HOLLOW METAL (HM) FRAMES ABUTTING MASONRY WITH GROUT. FILL INTERMEDIATE MEMBERS AS SHOWN IN DETAILS (TYPICAL).

# GLASS TYPE KEY

G-1 1" INSULATING GLASS; CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE

G-2 1" INSULATING GLASS; CONSISTING OF
1/4" TEMPERED EXTERIOR LITE W/ LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE,
1/4" TEMPERED INTERIOR LITE WITH SPANDREL COATING ON THIRD SURFACE

G-3 1" INSULATING GLASS; CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1/4" HEAT STRENGTHENED LAMINATED GLASS W/ HORIZONTAL FRIT ON THIRD SURFACE

G-4 1" INSULATING GLASS; CONSISTING OF
1/4" TEMPERED TINTED EXTERIOR LITE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE WITH LOW E COATING ON THIRD SURFACE

G-5 1" INSULATING GLASS; CONSISTING OF
1/4" TEMPERED TINTED EXTERIOR LITE
1/2" AIR SPACE
1/4" TEMPERED INTERIOR LITE WITH LOW E COATING ON THIRD SURFACE

G-6 1/4" THICK CLEAR FLOAT GLASS

G-7 1/4" THICK CLEAR TEMPERED SAFETY GLASS

G-8 INSULATED METAL PANEL INFILL BY STOREFRONT/CURTAINWALL MANUFACTURER

G-9 5/16" THICK LAMINATED FIRE RATED GLASS

G-10 1/8" THICK FIRE RATED POLYCARBONATE SHEET

G-11 2 - 5/16" FIRE RATED INSULATING GLASS; CONSISTING OF
1/4" TEMPERED EXTERIOR LITE WITH LOW E COATING ON SECOND SURFACE
1/2" AIR SPACE
1 9/16" FIRE RESISTANT GLAZING INTERIOR LITE

# NUMBERED REMARKS

NOTE 1: PROVIDE NO TRANSLUCENT ROLLER SHADES AT THIS FRAME OPENING.

NOTE 2: PROVIDE ELECTRIC MOTOR TRANSLUCENT ROLLER SHADES AT THIS FRAME OPENING.

NOTE 3: PROVIDE PRE-FINISHED ALUMINUM SUNSHADES (HORIZONTAL LOUVERS IN VERTICAL FRAME) AS SHOWN ON ELEVATIONS

NOTE 4: PROVIDE PRE-FINISHED ALUMINUM SUNSHADES, 24" PROJECTION HORIZONTALLY, AS SHOWN ON ELEVATIONS

NOTE 5: NOT USED

NOTE 6: AT OPENINGS IN 2 HOUR FIREWALL, PROVIDE 2 HOUR FIRE RATED CURTAINWALL SYSTEM.

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FRAME ELEVATIONS - HM, STOREFRONT AND LOUVERS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

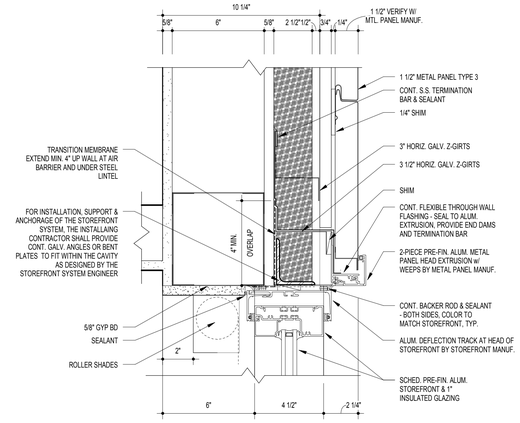
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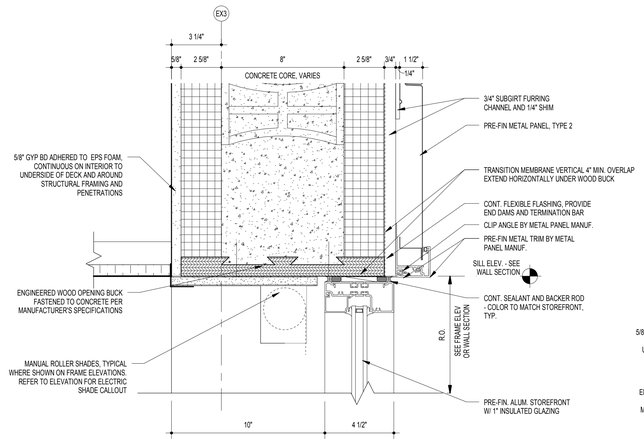
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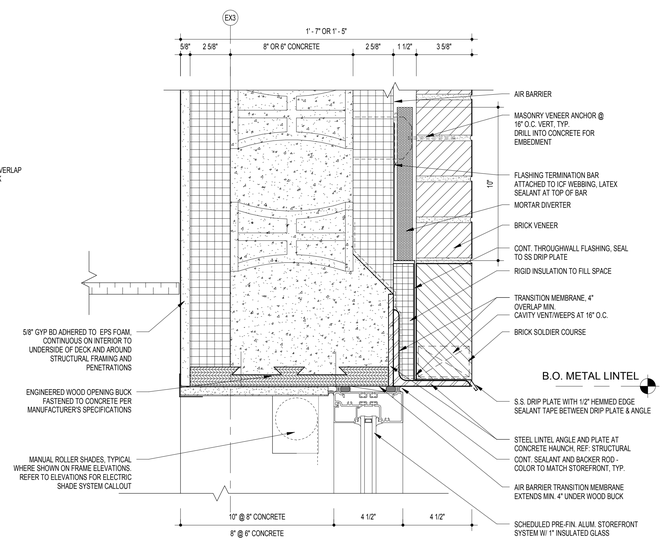
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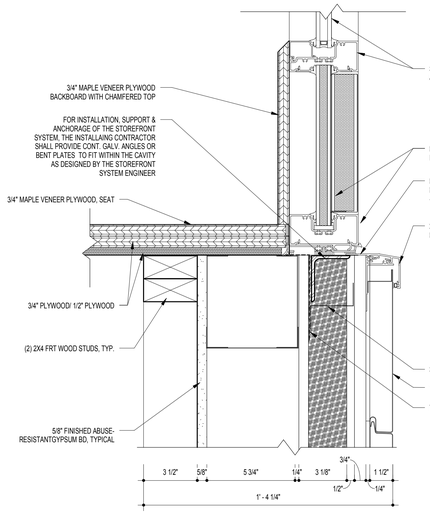

K15 SF HEAD DETAIL @ METAL PANEL ON STUD BACK-UP
3" = 1'-0"



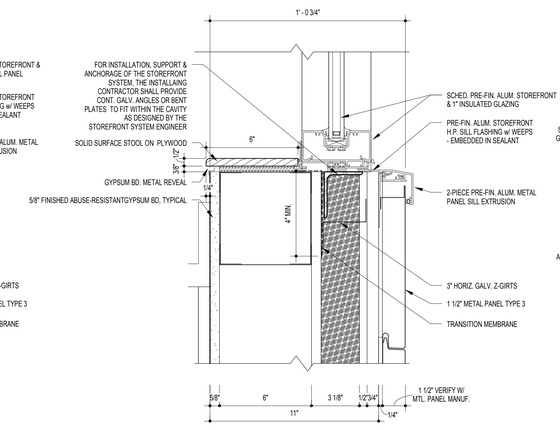

K11 SF HEAD @ ICF WALL W/ MTL PANEL TYPE 2
3" = 1'-0"



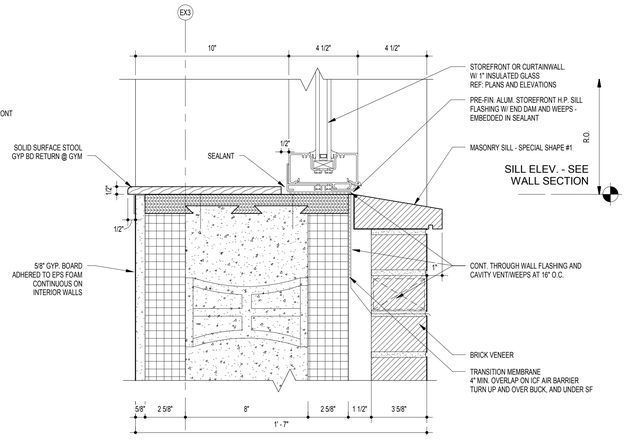

J6 SF HEAD @ ICF WALL W/ MASONRY
3" = 1'-0"



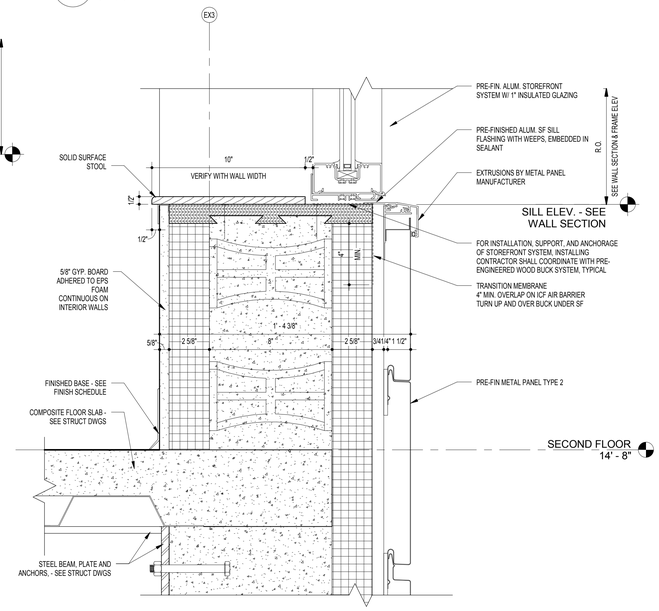

F18 SF SILL DETAIL @ WINDOW SEAT/ STUD BACK-UP
3" = 1'-0"



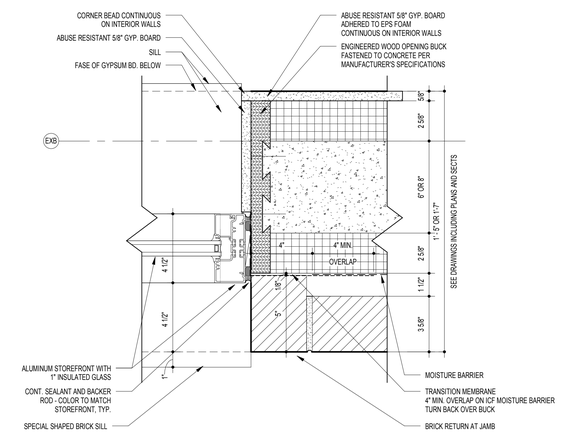

F15 SF SILL DETAIL @ METAL PANEL ON STUD BACK-UP
3" = 1'-0"




F11 SF SILL @ ICF WALL W/ MASONRY
3" = 1'-0"




D6 SF SILL @ ICF WALL W/ MTL PANEL TYPE 2
3" = 1'-0"




A6 SF JAMB @ ICF WALL WITH MASONRY VENEER
3" = 1'-0"

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STOREFRONT DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

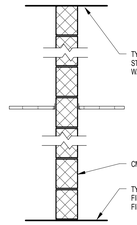
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03/13/2017
BID SET

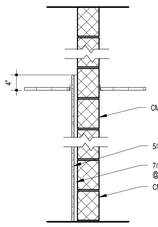
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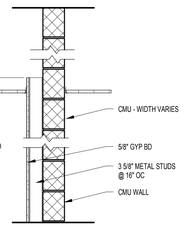
# WALL TYPES



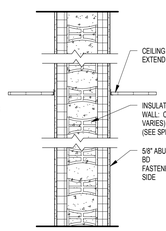

A1 AS SHOWN WITH 3 5/8" CMU
A2 AS SHOWN WITH 5 5/8" CMU
A3 AS SHOWN WITH 7 5/8" CMU
A4 AS SHOWN WITH 9 5/8" CMU
A5 AS SHOWN WITH 11 5/8" CMU



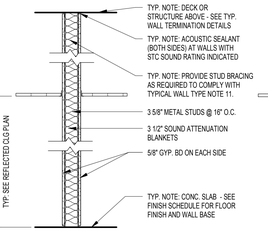

E1 AS SHOWN WITH 3 5/8" CMU W/ 7/8" FURRING
E2 AS SHOWN WITH 5 5/8" CMU W/ 7/8" FURRING
E3 AS SHOWN WITH 7 5/8" CMU W/ 7/8" FURRING
E4 AS SHOWN WITH 9 5/8" CMU W/ 7/8" FURRING
E5 AS SHOWN WITH 11 5/8" CMU W/ 7/8" FURRING



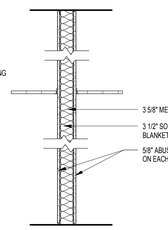

F1 AS SHOWN WITH 3 5/8" CMU W/ 3-5/8" STUDS
F2 AS SHOWN WITH 5 5/8" CMU W/ 3-5/8" STUDS
F3 AS SHOWN WITH 7 5/8" CMU W/ 3-5/8" STUDS
F4 AS SHOWN WITH 9 5/8" CMU W/ 3-5/8" STUDS
F5 AS SHOWN WITH 11 5/8" CMU W/ 3-5/8" STUDS



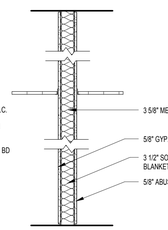

G1 AS SHOWN WITH 8" ICF
G2 AS SHOWN WITH 10" ICF



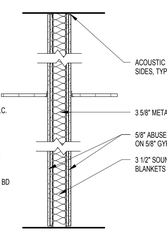

J1 GYP BD WALL AS SHOWN
J2 GYP BD WALL AS SHOWN W/ 6" MET STUDS
J4 GYP BD WALL AS SHOWN BUT STOP GYP BD 4" ABOVE CLG
J5 GYP BD WALL AS SHOWN BUT DELETE SOUND ATTENUATIONS



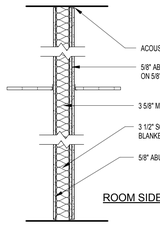

K1 ABUSE RESISTANT GYP BD WALL AS SHOWN
K2 ABUSE RESISTANT GYP BD WALL AS SHOWN W/ 6" MET STUDS
K3 ABUSE RESISTANT GYP BD WALL AS SHOWN W/ 8" MET STUDS



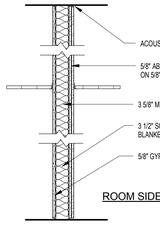

L1 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN
L2 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN W/ 6" MET STUDS



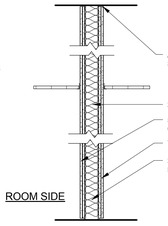

M1 DOUBLE LAYER ABUSE RESISTANT GYP. BD. WALL AS SHOWN (STC RATING 55, MIN.) NOTE: STAGGER HORIZ. AND VERT. GYP. BD. JOINTS
M2 DOUBLE LAYER ABUSE RESISTANT GYP. BD. WALL (STC RATING 55, MIN.) AS SHOWN W/ 6" MET STUDS. NOTE: STAGGER HORIZ. AND VERT. GYP. BD. JOINTS



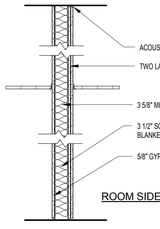

N1 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN
N2 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN W/ 6" MET STUDS



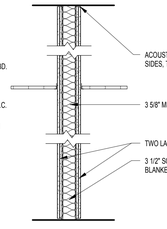

P1 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN
P2 GYP BD / ABUSE RESISTANT GYP BD WALL AS SHOWN W/ 6" MET STUDS



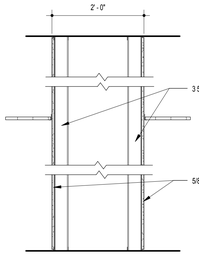

R1 DOUBLE LAYER GYP. BD. / DOUBLE LAYER ABUSE RESISTANT GYP. BD. WALL AS SHOWN NOTE: STAGGER HORIZ. AND VERT. GYP. BD. JOINTS



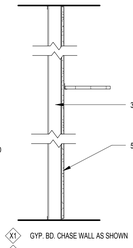

S1 GYP BD WALL AS SHOWN
S2 GYP BD WALL AS SHOWN W/ 6" MET STUDS




T1 GYP. BD. WALL AS SHOWN NOTE: STAGGER HORIZ. AND VERT. GYP. BD. JOINTS




U1 ABUSE RESISTANT GYP. BD. WALL AS SHOWN - 2'-0" TOTAL THICKNESS
U2 ABUSE RESISTANT GYP. BD. WALL AS SHOWN - ___" TOTAL THICKNESS
U3 ABUSE RESISTANT GYP. BD. WALL AS SHOWN - 2'-0" TOTAL THICKNESS, EXCEPT THE CORRIDOR WALL SHALL BE 6" CMU INPLACE OF GYP. BD. AND METAL STUD.




X1 GYP. BD. CHASE WALL AS SHOWN
X2 AS SHOWN W/ ABUSE RESISTANT GYP. BD.
X4 AS SHOWN W/ 2 LAYERS 5/8" ABUSE RESISTANT GYP. BD.
X5 6" METAL STUDS W/ 5/8" GYP. BD.
X6 6" METAL STUDS W/ 5/8" ABUSE RESISTANT GYP. BD.
X7 8" METAL STUDS W/ 5/8" ABUSE RESISTANT GYP. BD.
X8 AS SHOWN W/ 2 LAYERS 5/8" GYP. BD.

# TYPICAL WALL TYPE NOTES

GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. NOT ALL WALL TYPES ARE REPRESENTED IN THIS PROJECT
2. WALLS SHALL EXTEND FULL HEIGHT FROM FLOOR SLAB TO THE FLOOR OR ROOF DECK ABOVE UNLESS SPECIFICALLY NOTED OTHERWISE. IN CORRIDORS, EXTEND COLUMN CHASE AND LOCKER FIN WALLS 4" ABOVE CEILING ONLY.
3. REFER TO THE CODE STUDY AND FLOOR PLANS FOR IDENTIFICATION OF ALL SMOKE AND FIRE WALL CONDITIONS / LOCATIONS. IN ADDITION TO THE REQUIREMENTS INDICATED ON THE CODE STUDY AND FLOOR PLANS, ALL CORRIDOR AND VESTIBULE WALLS SHALL BE BUILT TO RESIST THE PASSAGE OF SMOKE.
4. FIRE WALLS, FIRE SEPARATION WALLS, SMOKE BARRIER WALLS AND WALLS REQUIRED TO RESIST THE PASSAGE OF SMOKE SHALL EXTEND FULL HEIGHT FROM FLOOR SLAB TO THE FLOOR OR ROOF DECK ABOVE AND SHALL BE SEALED TIGHT TO THE DECK OR STRUCTURAL MEMBER WITH AN APPROVED FIRE RESISTIVE JOINT SYSTEM. SEAL ALL PENETRATIONS AND TOPS OF WALLS IN ACCORDANCE WITH SPECIFICATION DIVISION 7 SECTION - FIRE RESISTIVE JOINT SYSTEMS. WALLS AT FIRE AND SMOKE CONDITIONS / LOCATIONS, LISTED ABOVE, SHALL BE BUILT TIGHT TO DUCTS, PIPES AND PENETRATIONS AND SHALL BE TERMINATED IN ACCORDANCE WITH WALL TERMINATION DETAILS ON THIS SHEET. FILL FLUTES IN FLOOR AND ROOF DECKS AS INDICATED. WHERE WALLS AT FIRE AND SMOKE CONDITIONS / LOCATIONS, LISTED ABOVE, ARE INTERRUPTED BY STRUCTURAL MEMBERS, PROVIDE FIRE RESISTIVE JOINT SYSTEM IN AREAS BETWEEN TOP AND/OR SIDE OF WALL AND STRUCTURAL MEMBER AND BETWEEN DECK ABOVE AND STRUCTURAL MEMBER IN ACCORDANCE WITH APPROVED FIRE RESISTIVE JOINT SYSTEM AND TYPICAL WALL TERMINATION NOTE #4 BELOW.
5. SEE WALL SECTIONS AND DETAILS FOR EXTERIOR WALL TYPES.
6. THESE WALL TYPES ARE GENERAL IN NATURE AND DO NOT COVER EVERY VARIATION THAT MAY OCCUR THROUGHOUT THE PROJECT. SEE WALL SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION.
7. TYPICAL CMU INTERIOR PARTITION SHALL BE TYPE A3 UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS, WALL SECTIONS OR OTHER DETAILS.
8. TYPICAL GYPSUM BOARD/STUD WALL PARTITION SHALL BE TYPE 3-5/8" METAL STUDS AT 16" O.C. WITH 5/8" ABUSE-RESISTANT GYPSUM BOARD UNLESS INDICATED OTHERWISE BY WALL TYPE SYMBOLS , WALL SECTIONS OR OTHER DETAILS.
9. WALL TYPES MAY NOT HAVE BEEN INCLUDED IN THIS SCHEDULE FOR INTERIOR WALL TYPES WHICH ARE COVERED BY WALL SECTIONS.
10. THESE WALL TYPES DO NOT SHOW LATERAL BRACING OR WALL REINFORCING. SEE STRUCTURAL AND OTHER DRAWINGS FOR THAT INFORMATION.
11. SEE FINISH SCHEDULE FOR FINISHES TO BE APPLIED TO THESE WALL TYPES.
12. ALL WALLS WITH FIRE RATING INDICATED SHALL BE BUILT IN STRICT CONFORMANCE WITH A UL TESTED ASSEMBLY OR OTHER TESTED ASSEMBLY WHICH PROVIDES THE FIRE RATING INDICATED.
13. FURRING CHANNELS AND STUDS SHALL BE 16" O.C. MAXIMUM UNLESS SPECIFICALLY NOTED OTHERWISE.
14. THE GAGE OF ALL METAL STUDS SHALL BE SIZED SO THAT THE DEFLECTION OF THE WALL SHALL NOT EXCEED 1/240 PER ASTM C645 UNLESS A HEAVIER GAGE IS INDICATED ON THE WALL TYPE OR DETAILS.
15. IN ALL WALLS WITH SOUND ATTENUATION BLANKETS OR AN STC RATING LISTED: OUTLETS, SWITCHES, ETC., SHALL NOT BE LOCATED BACK TO BACK. OUTLETS SHALL BE OFFSET AND SEALED. PERIMETERS OF WALLS (AT ADJACENT WALLS, COLUMNS, CEILINGS, ETC.) SHOULD BE SEALED. ADDITIONALLY, WALL PENETRATIONS SHALL BE SEALED WITH APPROPRIATE TYPE OF ACOUSTIC SEALANT.
16. PROVIDE SPACE FOR DEFLECTION OF BEAMS, JOISTS, AND STEEL DECK @ TOP OF ALL WALLS THAT RUN TO THE DECK. FILL GAP WITH NON COMBUSTIBLE, COMPRESSIBLE FILLER ON NON RATED WALLS AND APPROVED FIRE SAFING ON RATED WALLS - SEE TYP. DETAILS THIS SHEET.
17. FOR CASES WHEN WALLS ARE INDICATED TO EXTEND FULL HEIGHT TO THE DECK BUT STOP AT A STRUCTURAL MEMBER, SEE THE TYPICAL DETAILS ON THIS SHEET FOR THE APPROPRIATE CLOSURE CONDITIONS. IF EXACT CONDITION IS NOT INDICATED, MODIFY CLOSEST CONDITION FOR SPECIFIC APPLICATION.
18. PROVIDE 4" HIGH X 18 GA. X LENGTH REQUIRED STEEL PLATE BLOCKING OR 2x FRT WD BLOCKING IN ALL IN ALL STUD WALLS WHERE REQUIRED TO ATTACH LOCKERS, CASEWORK, SHELVING, LIGHTS, ELECTRICAL DEVICES, TOILET ACCESSORIES AND ANY OTHER ITEM WHICH REQUIRE SECURE ATTACHMENT TO THE WALLS.
19. IN ROOMS WHERE NO FINISHED CEILING IS PROVIDED, EXTEND ALL CHASE WALLS TO FLOOR OR ROOF DECK ABOVE.
20. PROVIDE CONT. SEALANT AT BASE OF ALL GYP. BD. WALLS (BOTH SIDES), TYPICAL.

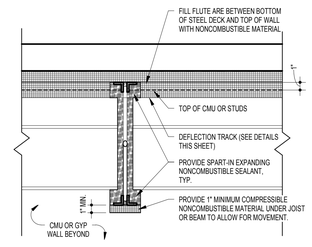
# ELECTRICAL BOXES IN FIREWALLS

ELECTRICAL BOXES IN FIRE RATED PARTITIONS SHALL NOT EXCEED 16 SQUARE INCHES IN AREA (IF 4"X4"), SHALL BE MADE OF STEEL, AND SHALL BE SPACED SUCH THAT THE CUMULATIVE AREA OF BOX CUTOUTS IN THE FIREWALL DOES NOT EXCEED 100 SQUARE INCHES PER 100 SQUARE FEET OF WALL AREA. ELECTRICAL BOXES ON OPPOSITE SIDES OF THE SAME FIREWALL SHALL BE SEPARATED BY A HORIZONTAL AND VERTICAL DISTANCE OF NOT LESS THAN 24". THE ELECTRICAL CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS, AS NECESSARY, TO ELECTRICAL BOX LOCATIONS TO ENSURE COMPLIANCE WITH THIS REQUIREMENT SINCE BOX LOCATIONS ARE TYPICALLY NOT DIMENSIONED ON THE DRAWINGS. CONSULT ARCHITECT IF CLARIFICATION IS REQUIRED.

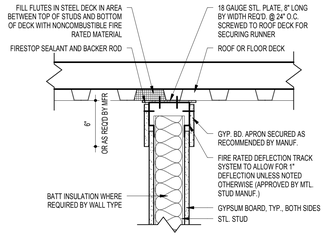
# TYPICAL WALL TERMINATION NOTES

1. USE THESE TYPICAL WALL TERMINATION DETAILS FOR ALL WALLS INDICATED TO EXTEND TO DECK ABOVE, UNLESS SPECIFICALLY DETAILED OTHERWISE. COORDINATE WITH STRUCTURAL FRAMING PLANS.
2. SEE WALL TYPES ABOVE FOR ACTUAL WALL CONSTRUCTION.
3. AT FIRE WALLS, FIRE SEPARATION WALLS, SMOKE BARRIER WALLS AND WALLS REQUIRED TO RESIST THE PASSAGE OF SMOKE, ALL "COMPRESSIBLE, NON-COMBUSTIBLE" MATERIALS REFERENCED IN THE WALL TERMINATION DETAILS SHALL BE MATERIALS PROVIDED IN ACCORDANCE WITH THE APPROVED FIRE RESISTIVE JOINT SYSTEM.
4. IF A WALL REQUIRING A FIRE RATING IS LOCATED DIRECTLY UNDER A BEAM THE FIRE RATING OF THE WALL SHALL BE MAINTAINED TO THE DECK BY EXTENDING WALL AROUND BEAM. CONSULT ARCHITECT FOR EXACT REQUIREMENTS TO MAINTAIN RATING.

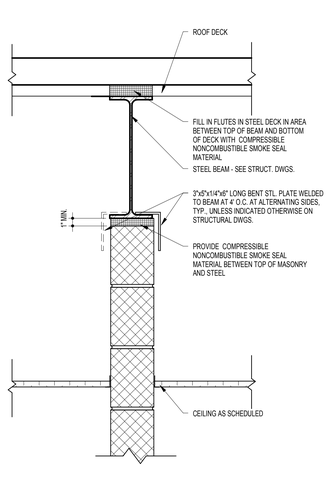
# WALL TERMINATION DETAILS



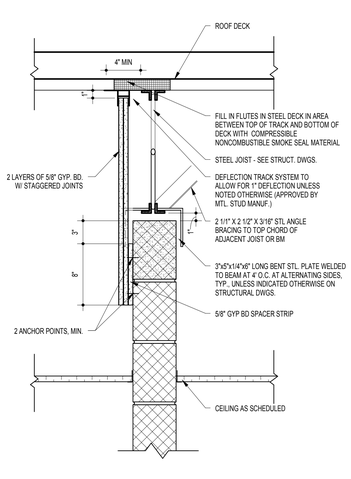

E7 JOIST OR BEAM. PERP. TO WALL
1 1/2" = 1'-0"



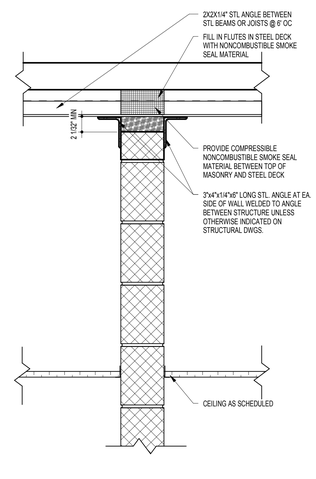

E4 JOIST OR BEAM. PERP TO DECK
1 1/2" = 1'-0"



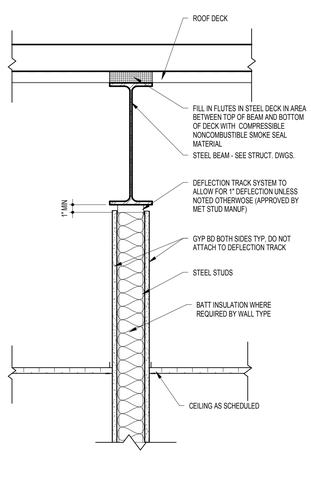

A18 NON-RATED CMU WALL ALIGNED UNDER A BEAM
1 1/2" = 1'-0"



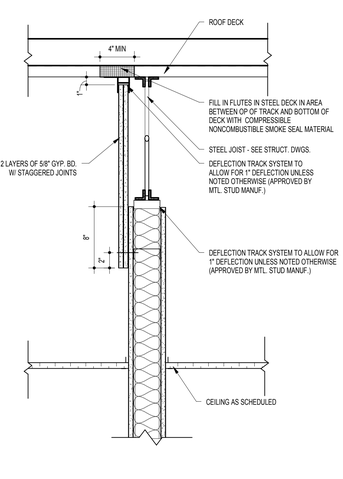

A16 NON-RATED CMU WALL ALIGNED UNDER A JOIST
1 1/2" = 1'-0"



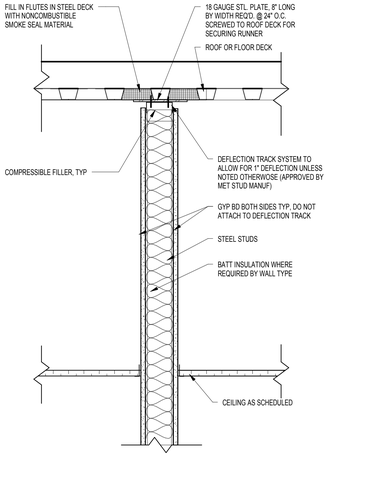

A13 NON-RATED CMU WALL PARALLEL TO STRUCT.
1 1/2" = 1'-0"




A10 NON-RATED STUD WALL ALIGNED UNDER A BEAM
1 1/2" = 1'-0"




A7 NON-RATED STUD WALL ALIGNED UNDER A JOIST
1 1/2" = 1'-0"




A4 NON-RATED STUD WALL TO DECK
1 1/2" = 1'-0"

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GP# 21553

WALL TYPES AND WALL TERMINATION DETAILS

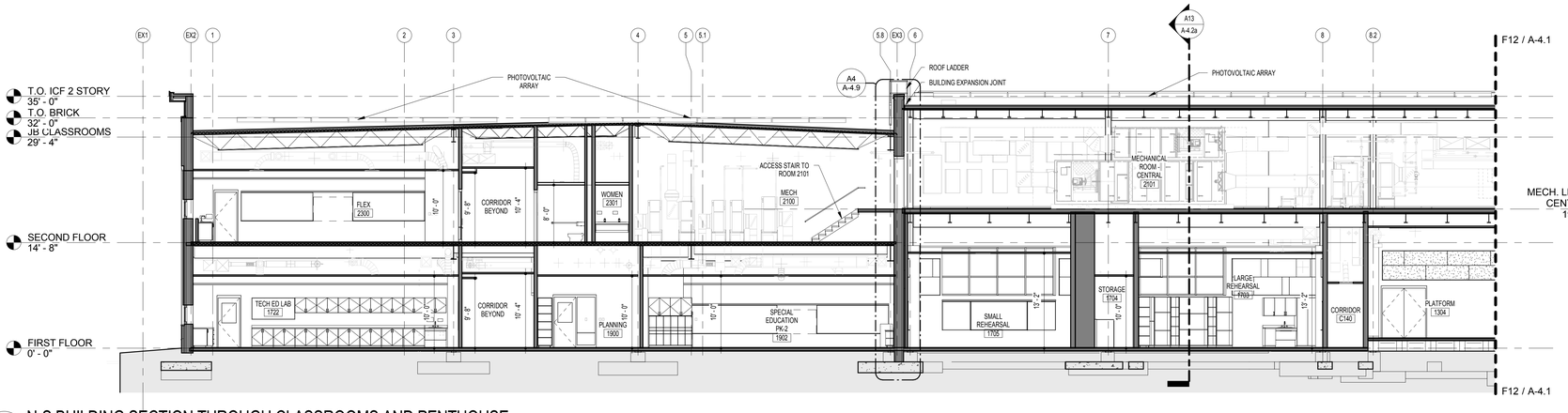
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

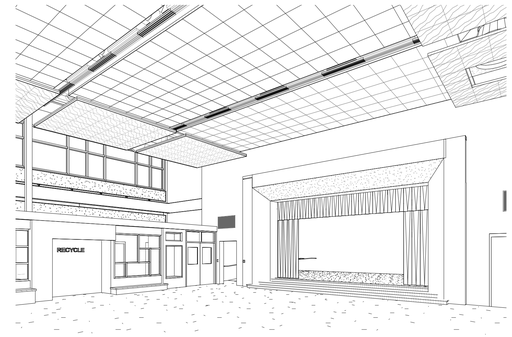
**A-3.20**
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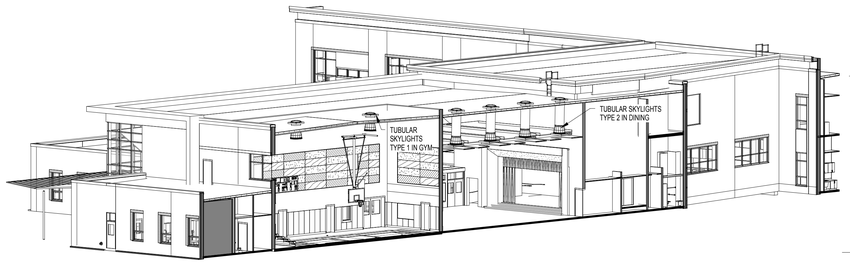
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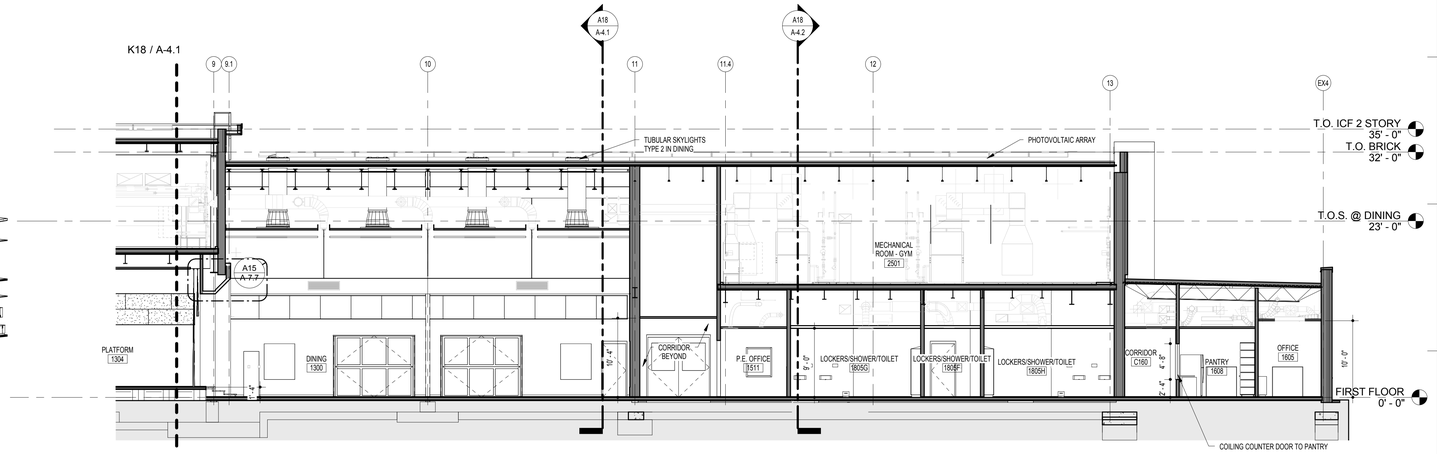

K18 N-S BUILDING SECTION THROUGH CLASSROOMS AND PENTHOUSE
1/8" = 1'-0"



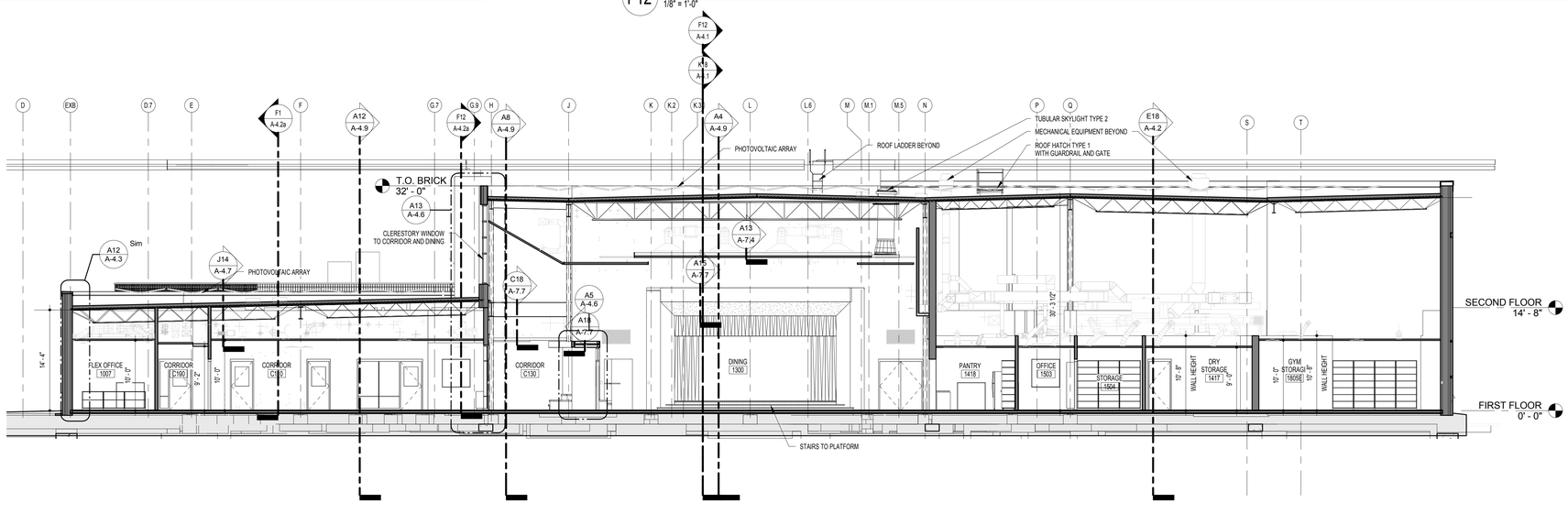

K5 VIEW OF DINING
N.T.S.




F18 SECTION AXON - GYM, DINING, AND PLATFORM
N.T.S.




F12 N-S BUILDING SECTION THROUGH DINING AND GYM
1/8" = 1'-0"



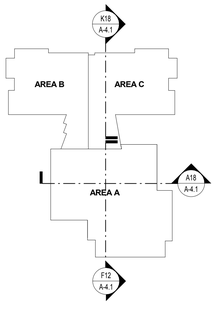

A18 E-W BUILDING SECTION THROUGH ADMIN DINING LOCKERS
1/8" = 1'-0"

## GENERAL VIEW NOTE (NOTES APPLY TO ALL 3D VIEWS)

THIS AXONOMETRIC OR PERSPECTIVE VIEW IS TO AID IN THE GENERAL VISUALIZATION OF THE PROJECT. SOME ELEMENTS MAY BE MISSING FOR CLARITY.

FOR CONSTRUCTION DETAILS, REFERENCE THE PLANS, SECTIONS, AND ENLARGED DETAILS AS WELL AS ENGINEERING DRAWINGS.

## KEY PLAN




Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

N

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BUILDING SECTIONS

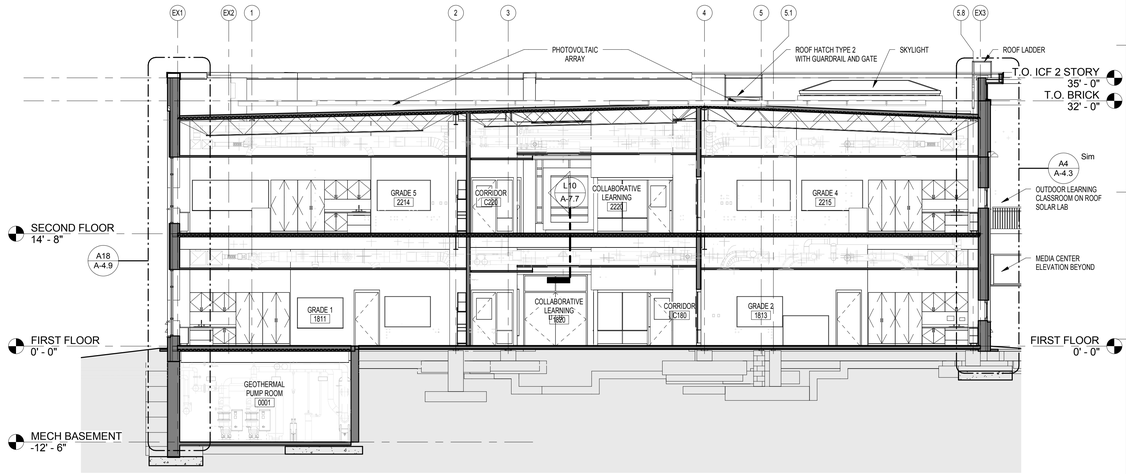
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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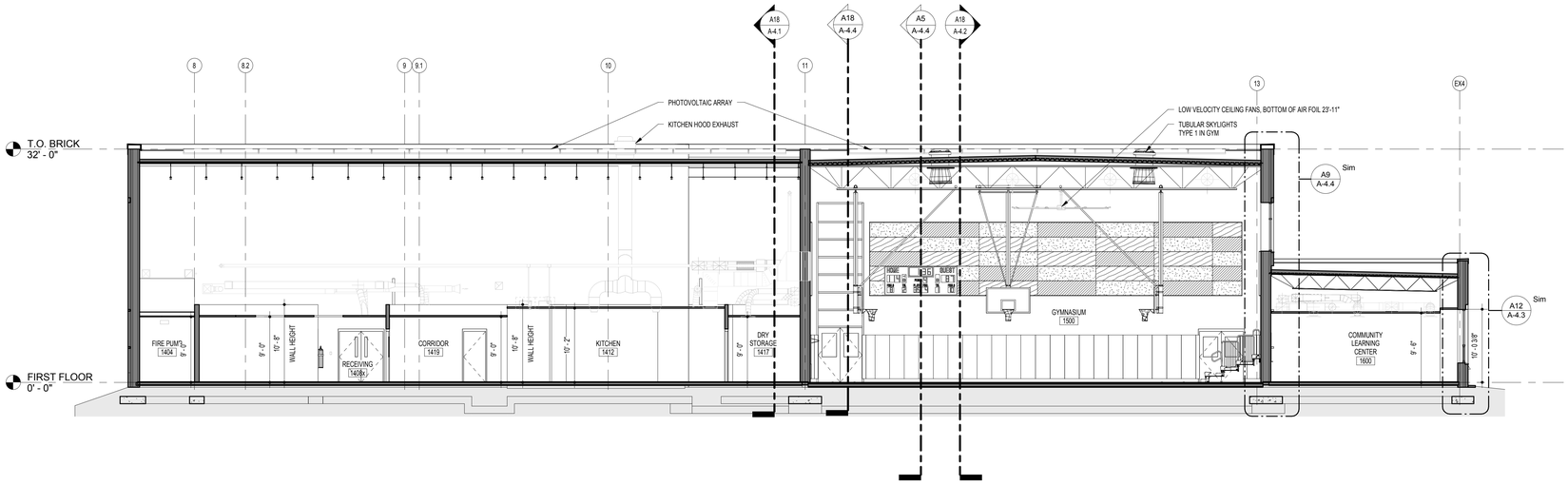
A-4.1
03/13/2017
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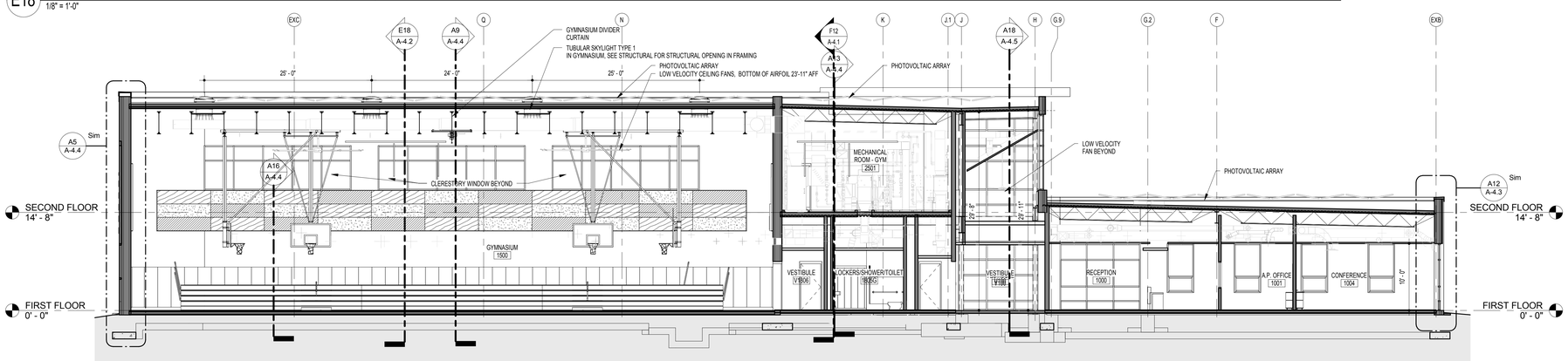
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J10 N-S BUILDING SECTION THROUGH CLASSROOM WING
1/8" = 1'-0"

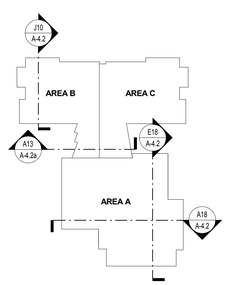



E18 N-S BUILDING SECTION THROUGH KITCHEN, GYM, AND COMMUNITY
1/8" = 1'-0"




A18 E-W BUILDING SECTION THROUGH ADMINISTRATION, GYM, AND LOCKER ROOM
1/8" = 1'-0"

## KEY PLAN




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BUILDING SECTIONS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

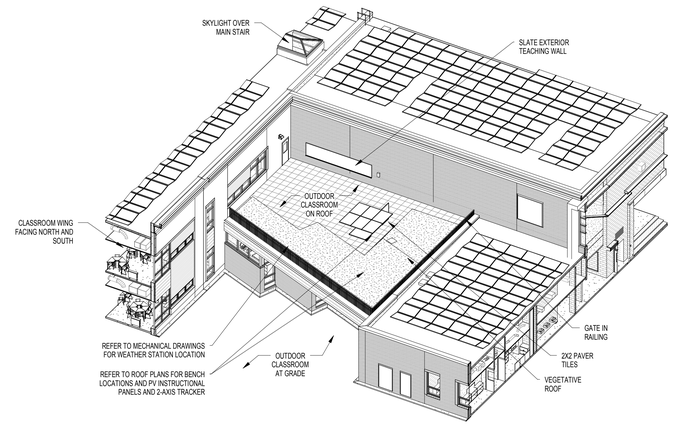
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**A-4.2**

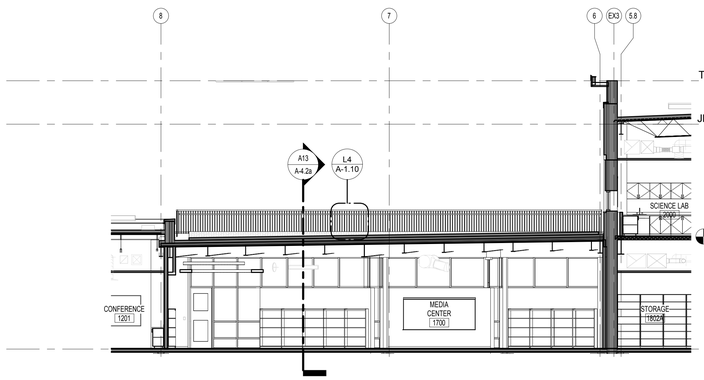
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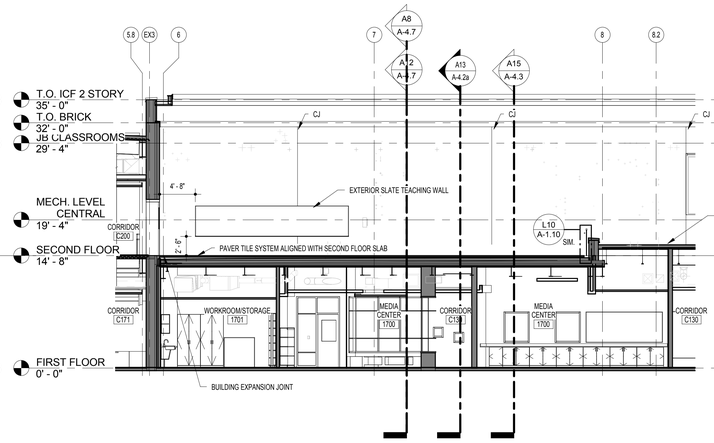
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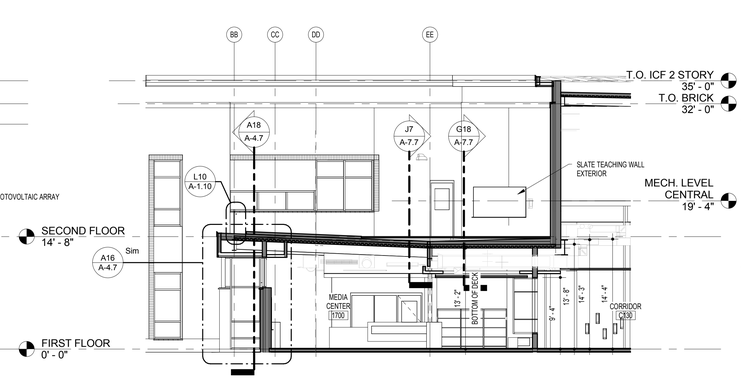

J6 SECTION AXON - MEDIA CENTER AND OUTDOOR CLASSROOM



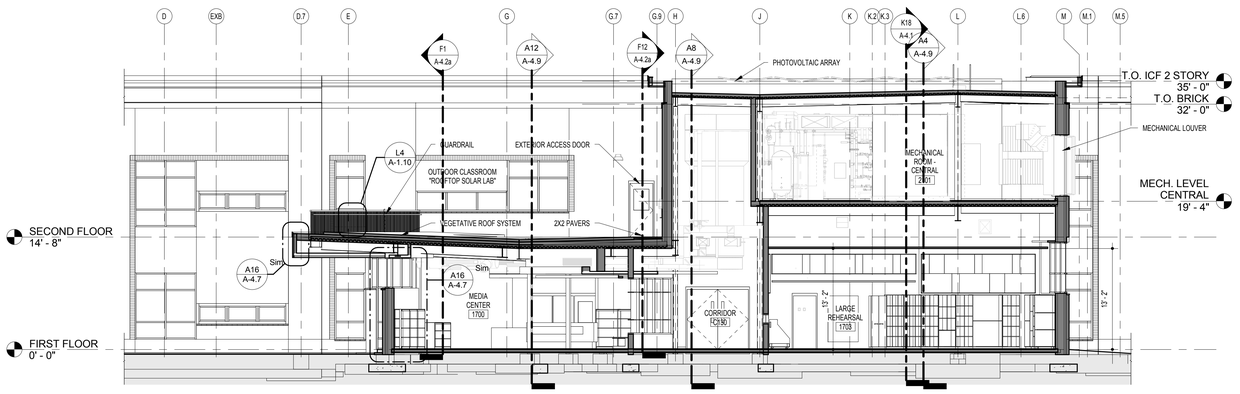

F1 N-S BUILDING SECTION THROUGH MEDIA CENTER AT SCIENCE ROOM
1/8" = 1'-0"




F12 N-S BUILDING SECTION THROUGH MEDIA CENTER AT STAIR 1
1/8" = 1'-0"




F6 BUILDING SECTION THROUGH MEDIA CENTER - ALIGNED WITH GRID LINE X3
1/8" = 1'-0"



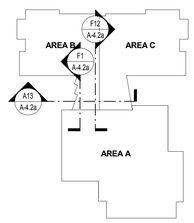

A13 E-W BUILDING SECTION THROUGH MEDIA CENTER AND MUSIC
1/8" = 1'-0"

## GENERAL VIEW NOTE (NOTES APPLY TO ALL 3D VIEWS)

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## KEY PLAN




N

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BUILDING SECTIONS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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**A-4.2a**
03/13/2017
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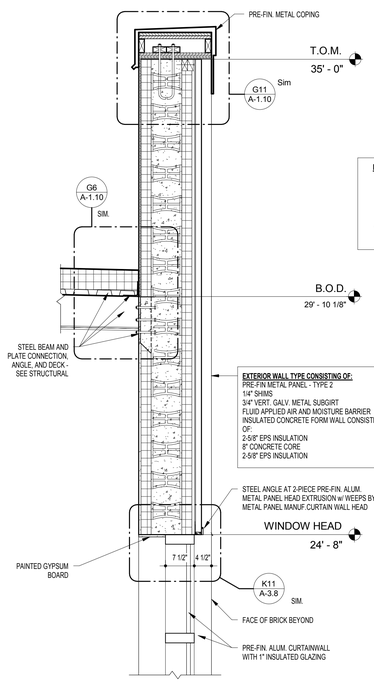
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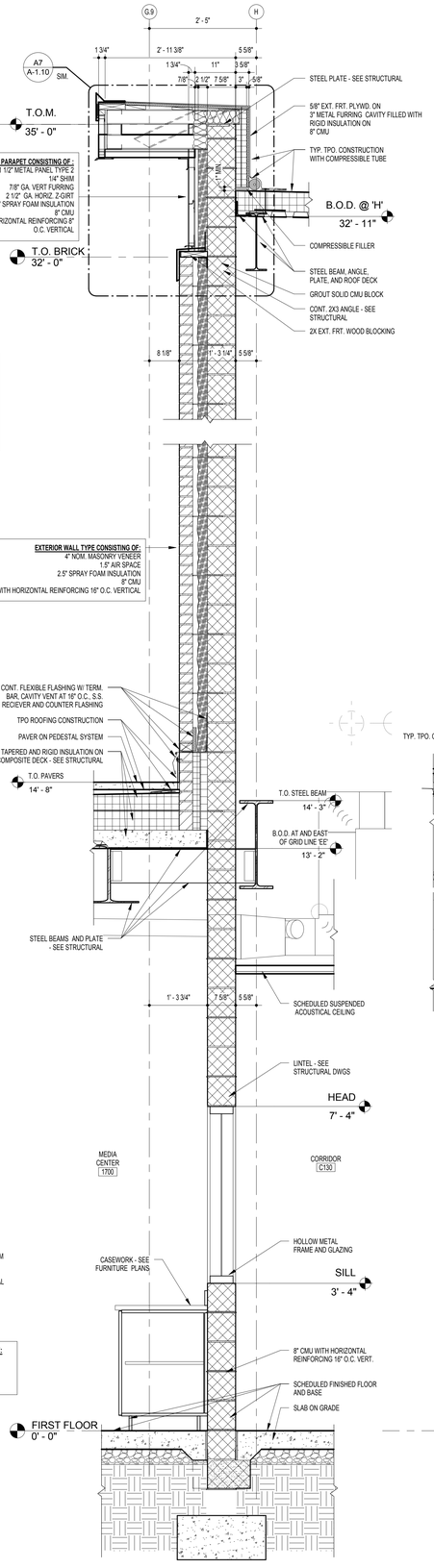
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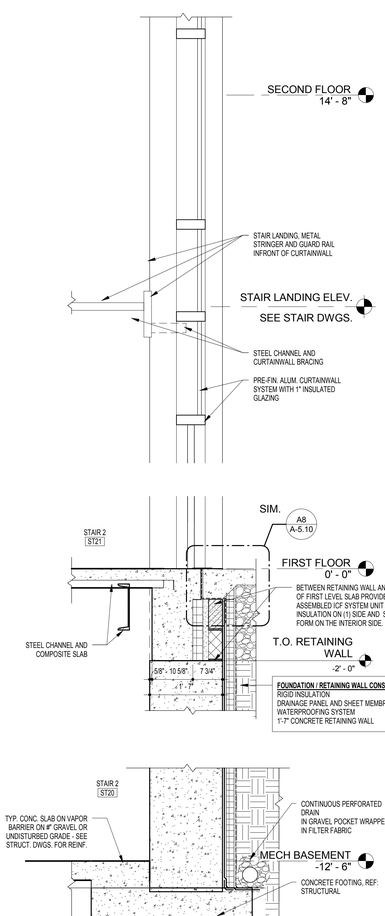
# GENERAL SECTION NOTE

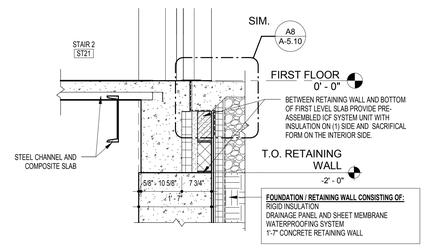
APPLICABLE TO ALL DRAWINGS:

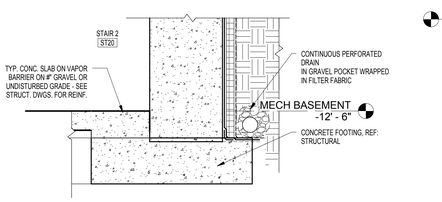
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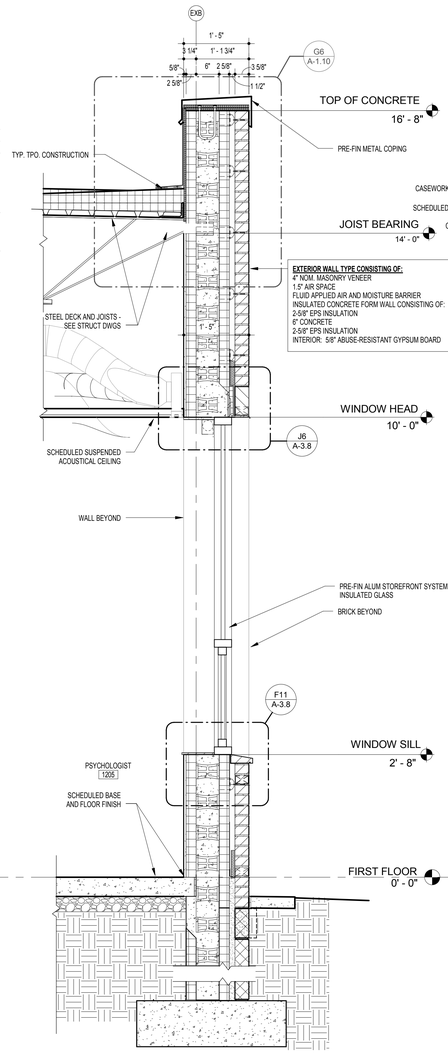


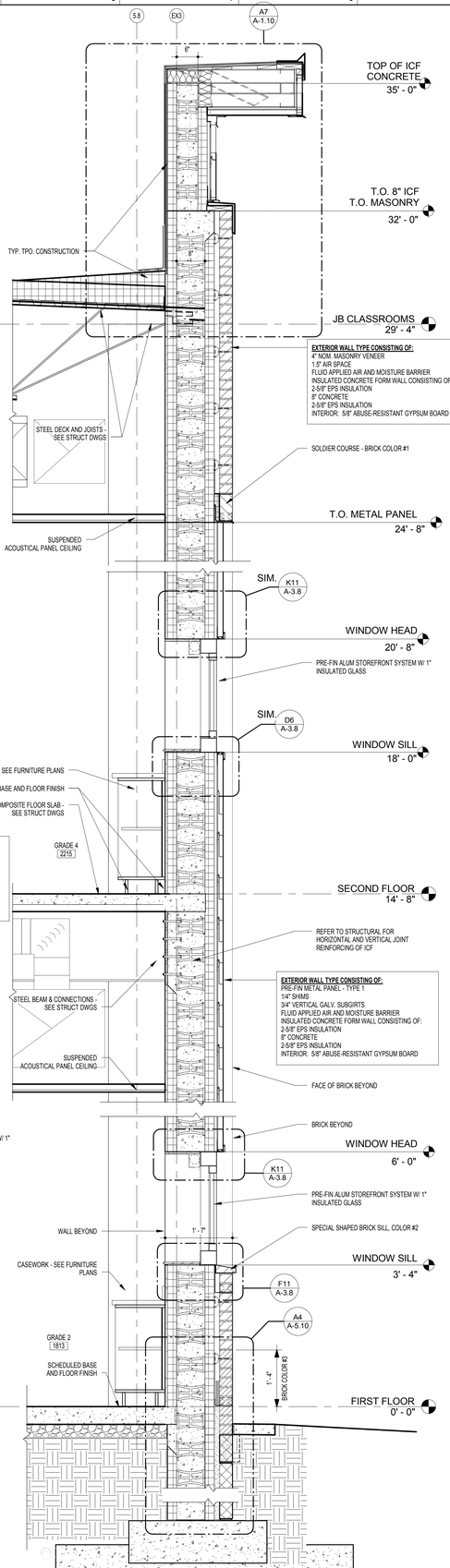



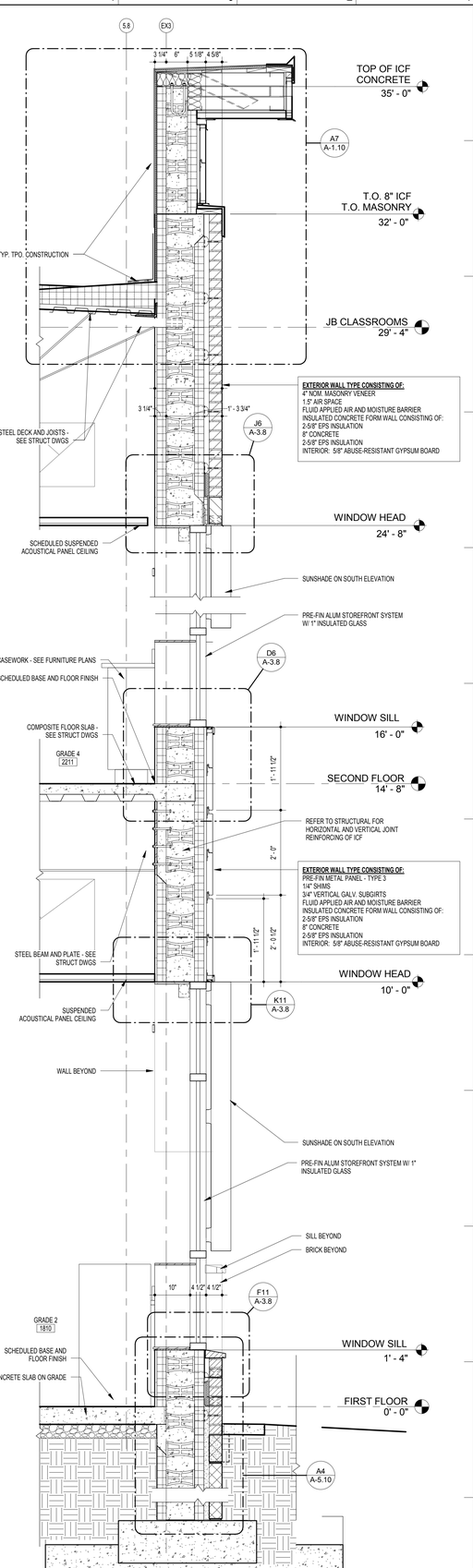




A18 WALL SECTION @ STAIR # 2 NORTH WALL
3/4" = 1'-0"

A15 WALL SECTION @ MEDIA E. WALL
3/4" = 1'-0"

A12 WALL SECTION AT ADMINISTRATION
3/4" = 1'-0"

A8 WALL SECTION AT CLASSROOM - RIBBON WINDOW
3/4" = 1'-0"

A4 WALL SECTION AT CLASSROOM
3/4" = 1'-0"

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WALL SECTIONS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

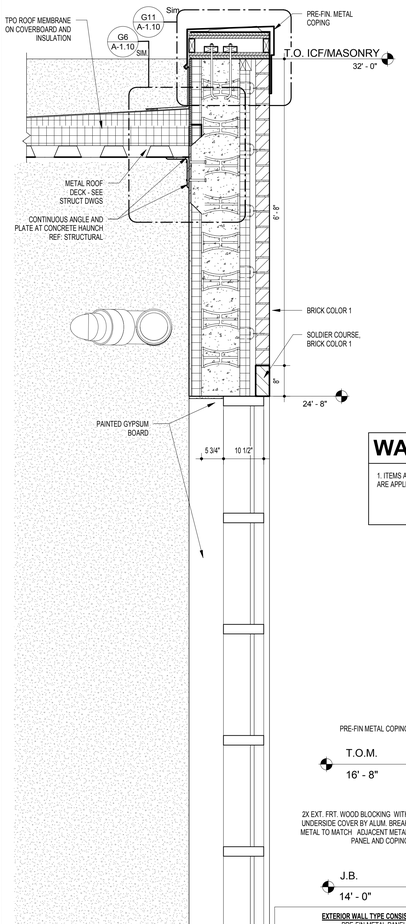
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**A-4.3**

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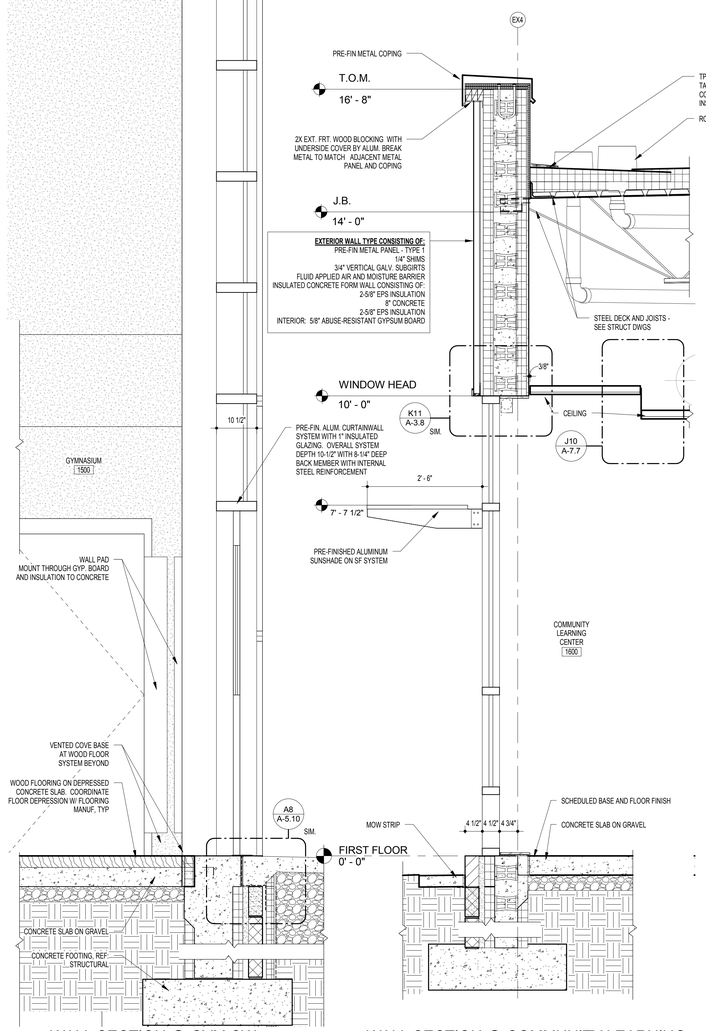
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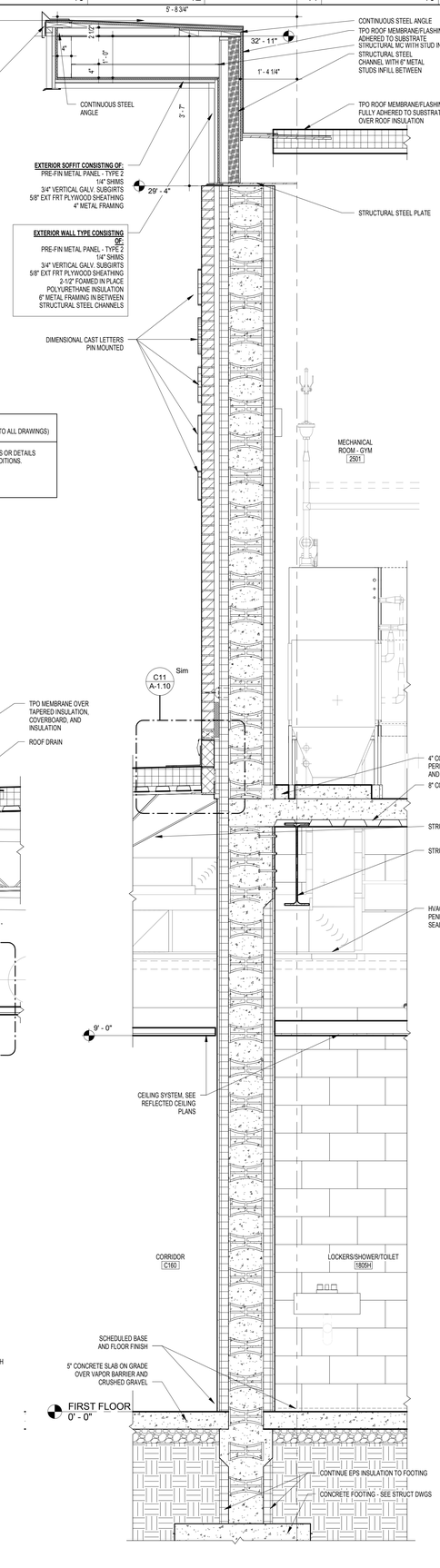

## WALL SECTION NOTE

(NOTE APPLIES TO ALL DRAWINGS)

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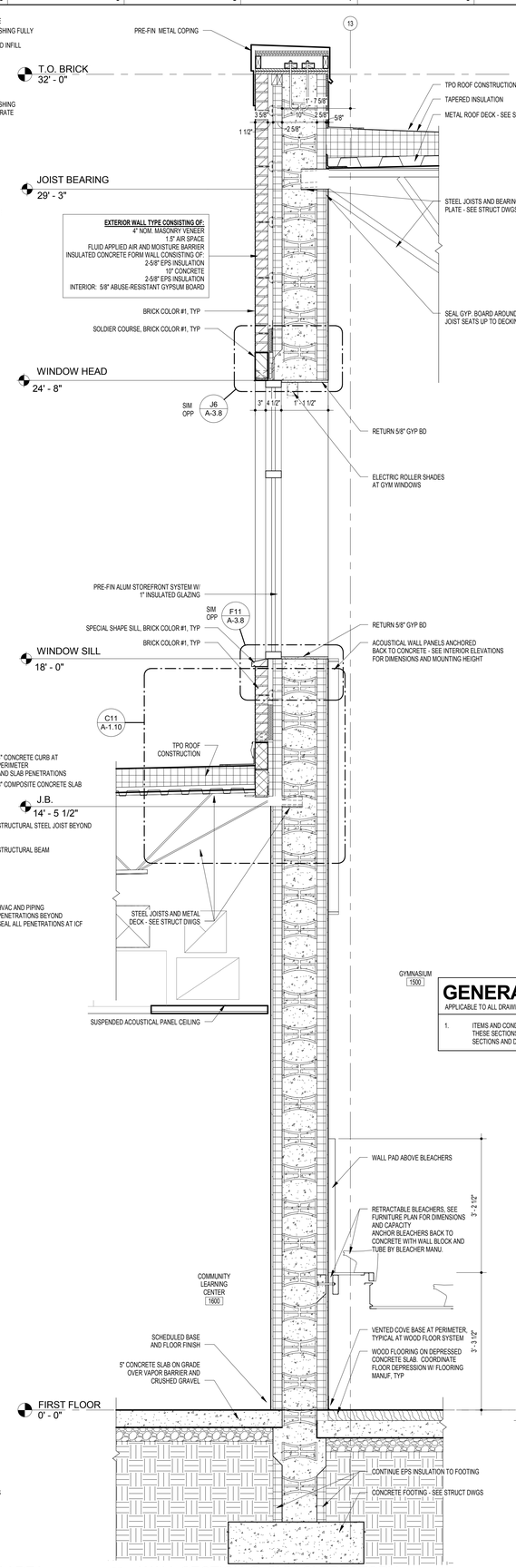



### A18 WALL SECTION @ GYM CW
3/4" = 1'-0"




### A16 WALL SECTION @ COMMUNITY LEARNING
3/4" = 1'-0"

### A13 WALL SECTION @ GYM MECH. RM. AND COMMUNITY AREA
3/4" = 1'-0"

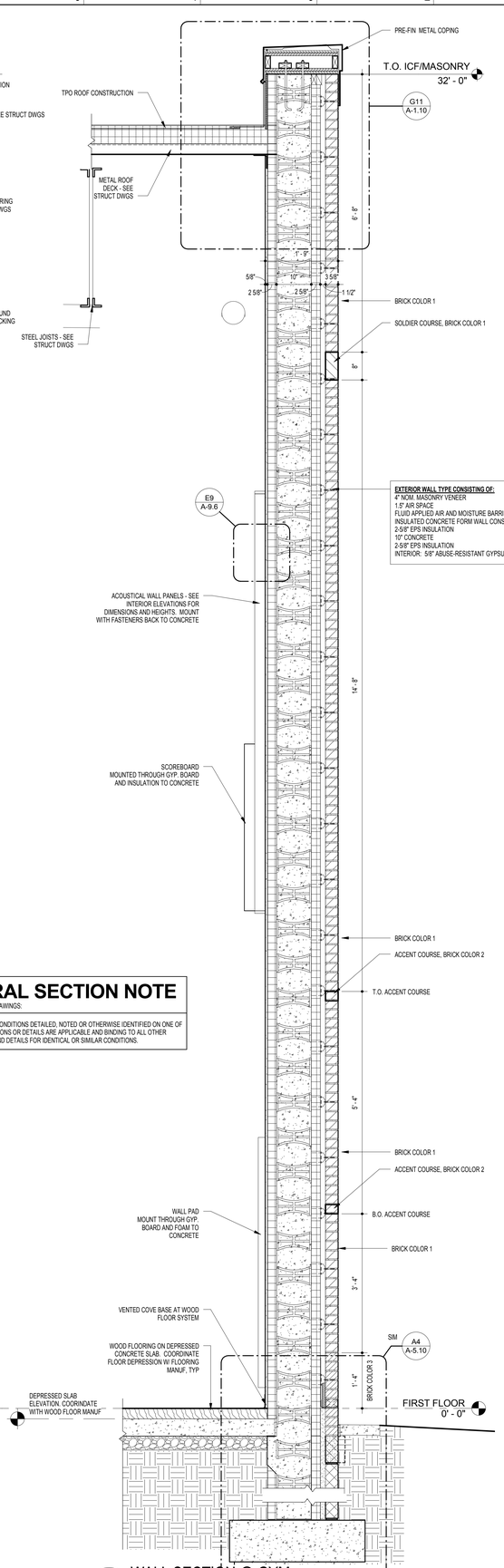



## GENERAL SECTION NOTE

APPLICABLE TO ALL DRAWINGS:

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### A9 WALL SECTION @ GYM CLERESTORY
3/4" = 1'-0"




### A5 WALL SECTION @ GYM
3/4" = 1'-0"

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WALL SECTIONS - GYM & COMMUNITY AREA

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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**A-4.4**

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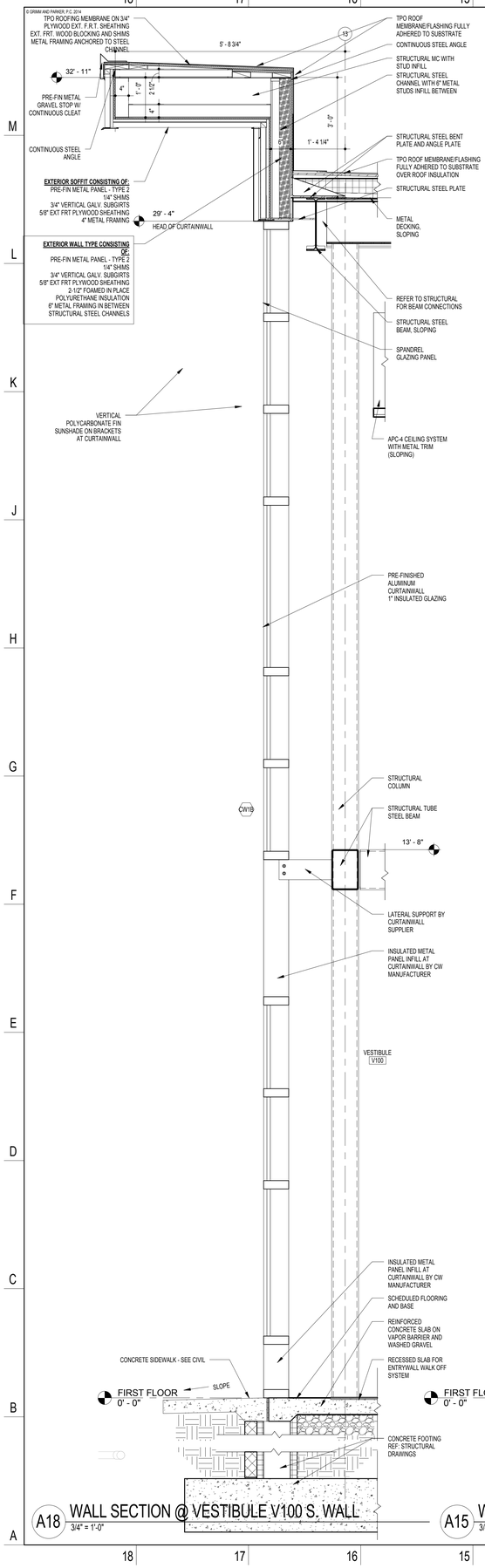
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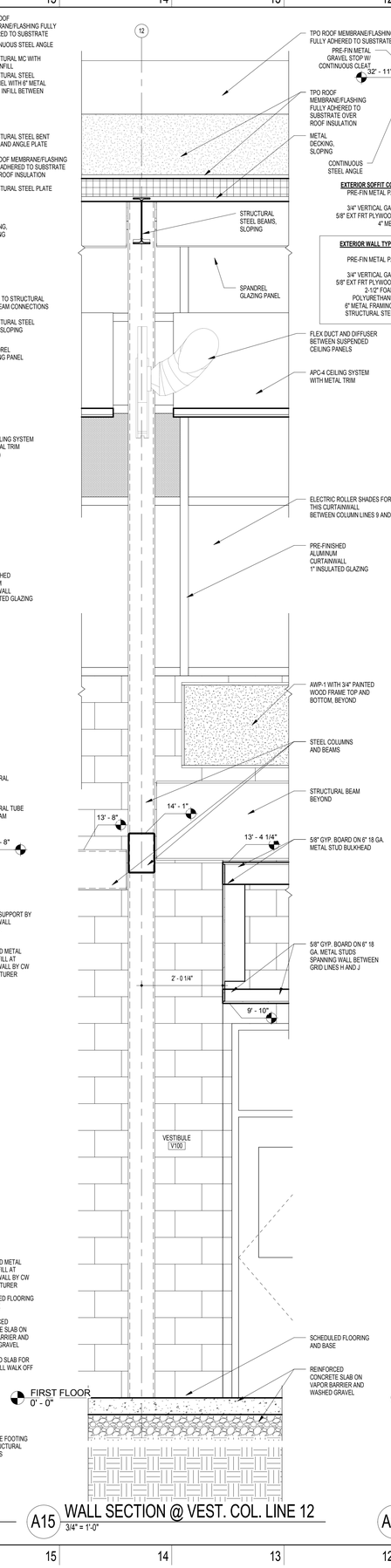
## GENERAL SECTION NOTE

APPLICABLE TO ALL DRAWINGS:

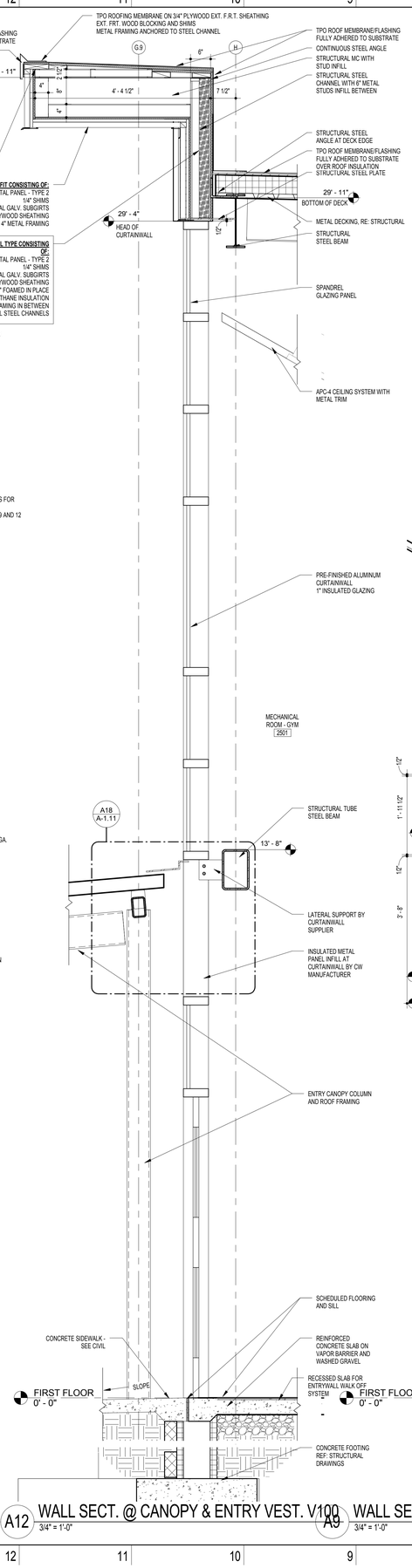
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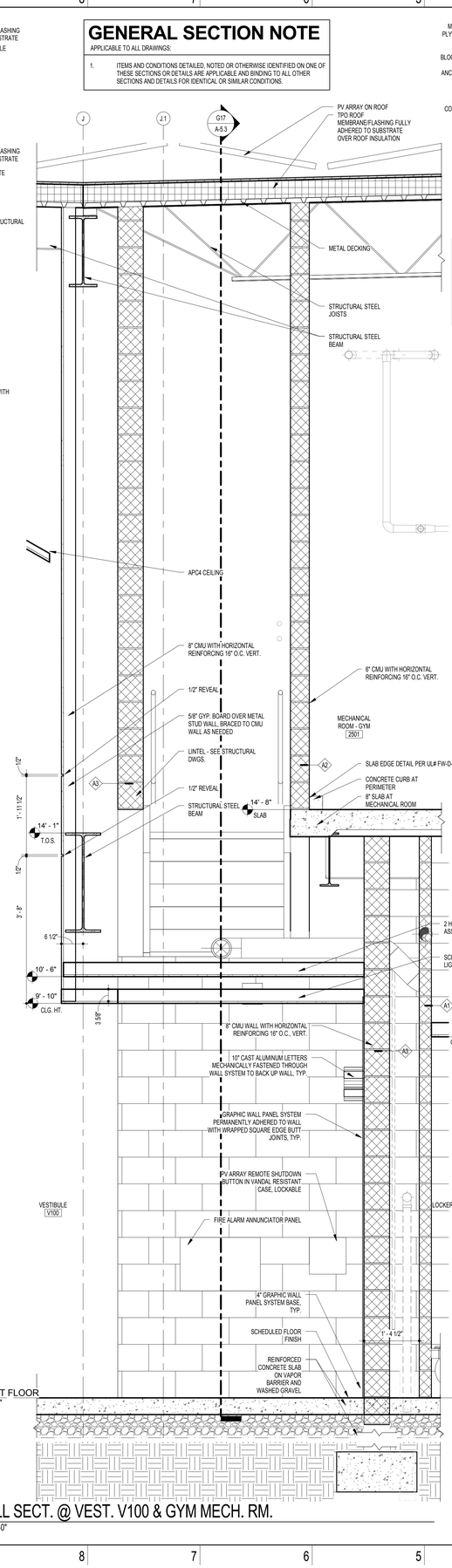

A18 WALL SECTION @ VESTIBULE V100 S. WALL
3/4" = 1'-0"



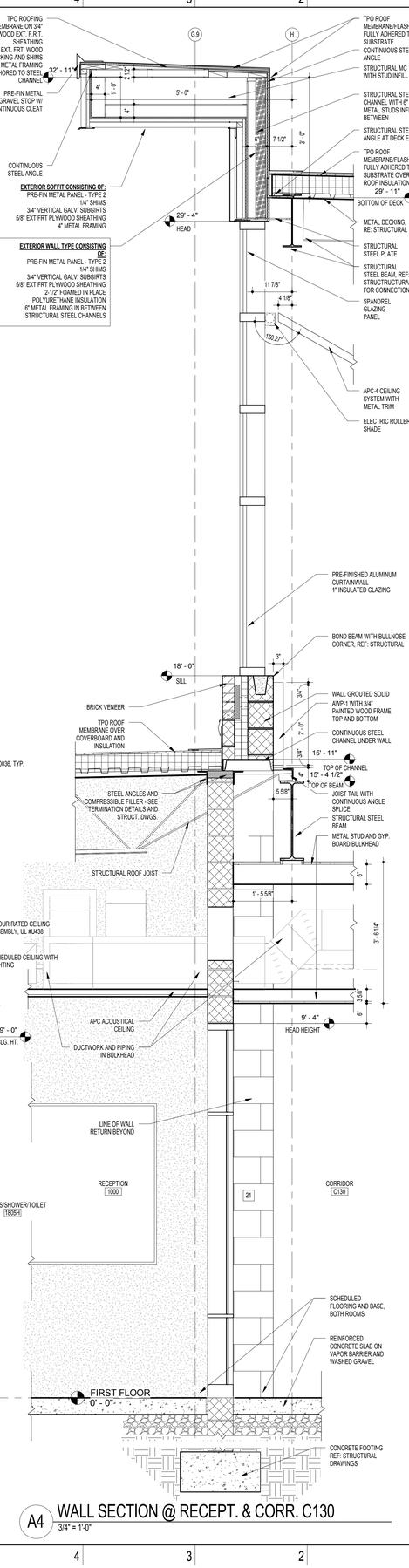

A15 WALL SECTION @ VEST. COL. LINE 12
3/4" = 1'-0"




A12 WALL SECT. @ CANOPY & ENTRY VEST. V100
3/4" = 1'-0"




A9 WALL SECT. @ VEST. V100 & GYM MECH. RM.
3/4" = 1'-0"




A4 WALL SECTION @ RECEPT. & CORR. C130
3/4" = 1'-0"

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WALL SECTIONS - ENTRY VESTIBULE

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CITY OF BALTIMORE, MARYLAND

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|---|---|
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**A-4.5**

03/13/2017
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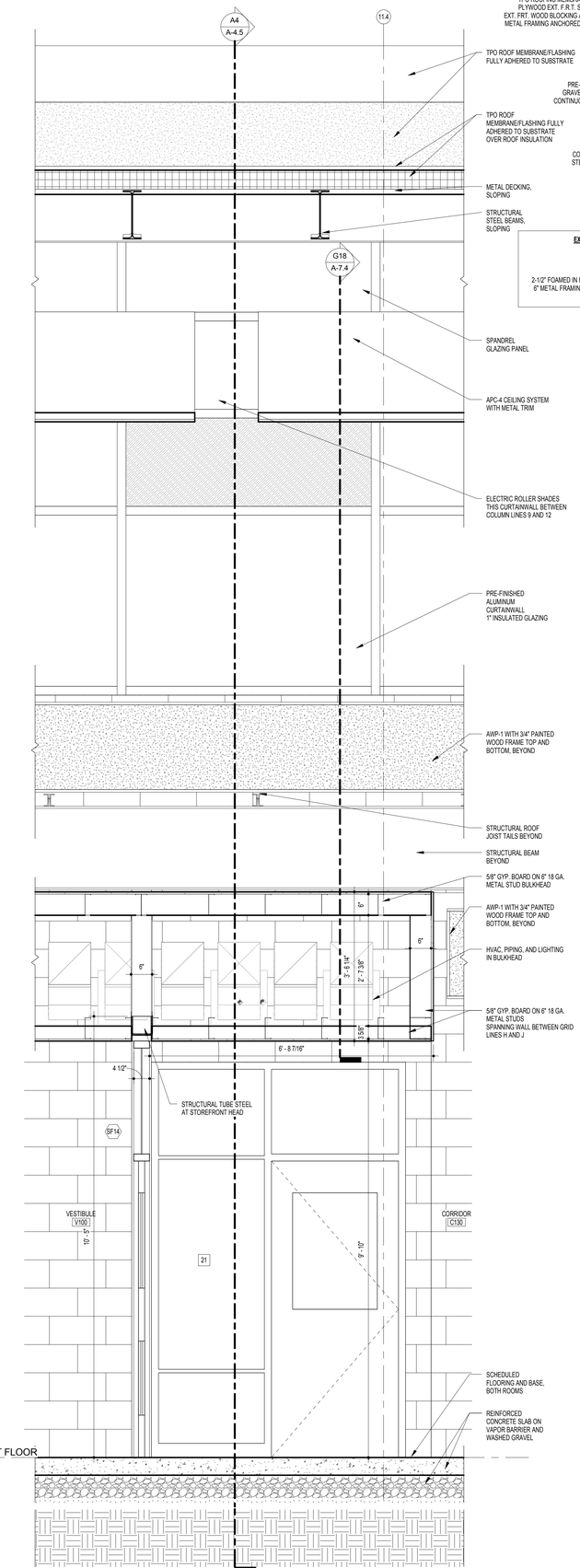
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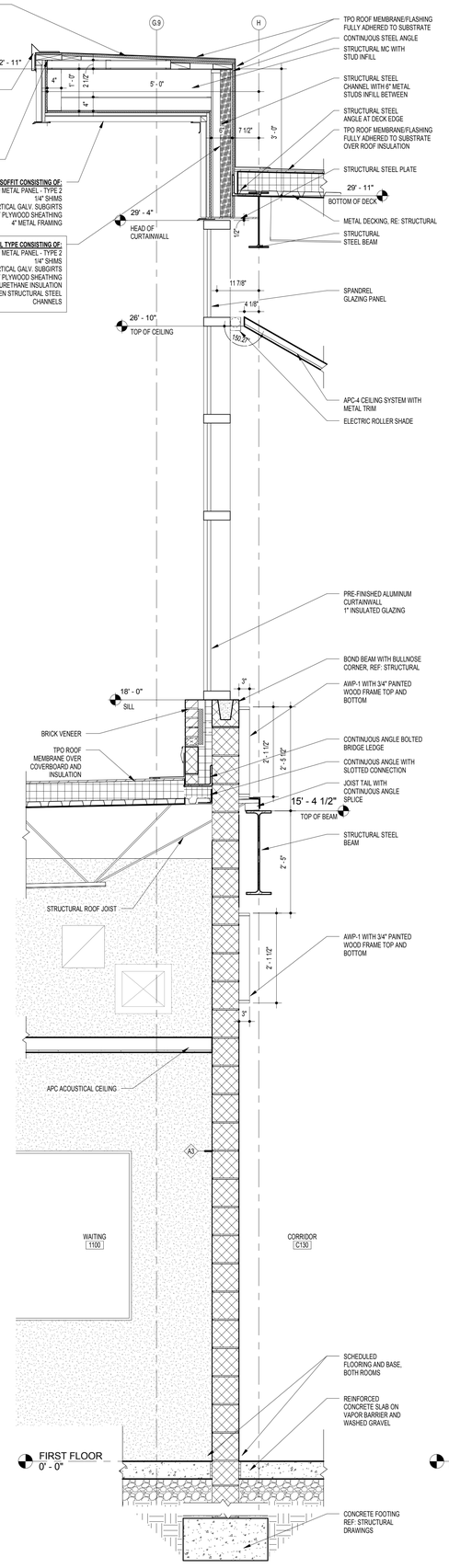
## GENERAL SECTION NOTE

APPLICABLE TO ALL DRAWINGS:

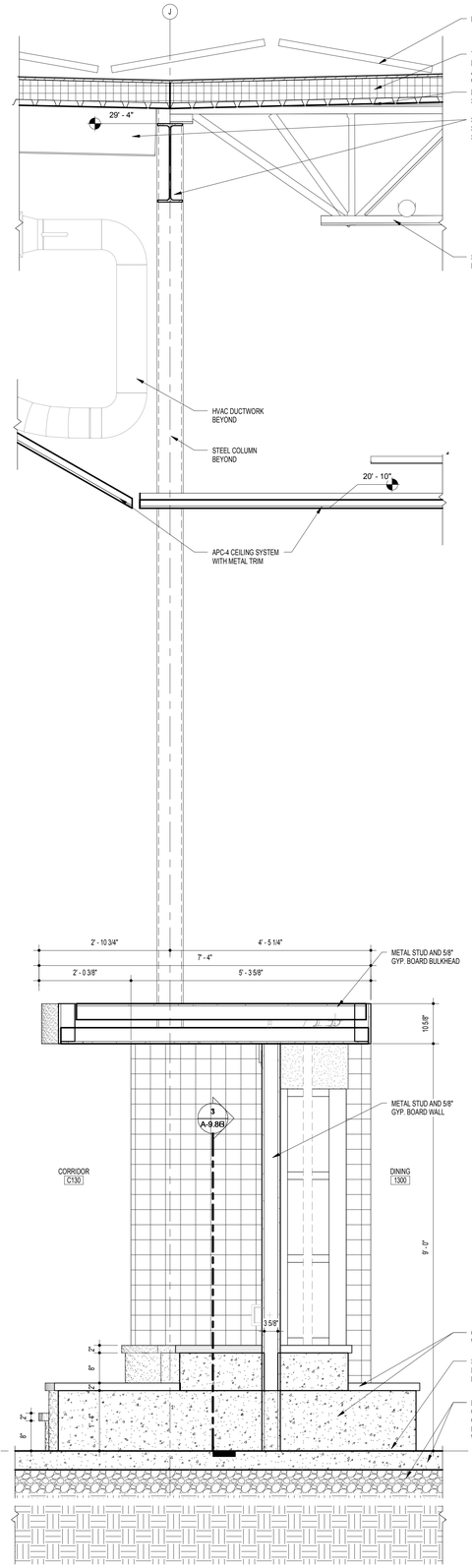
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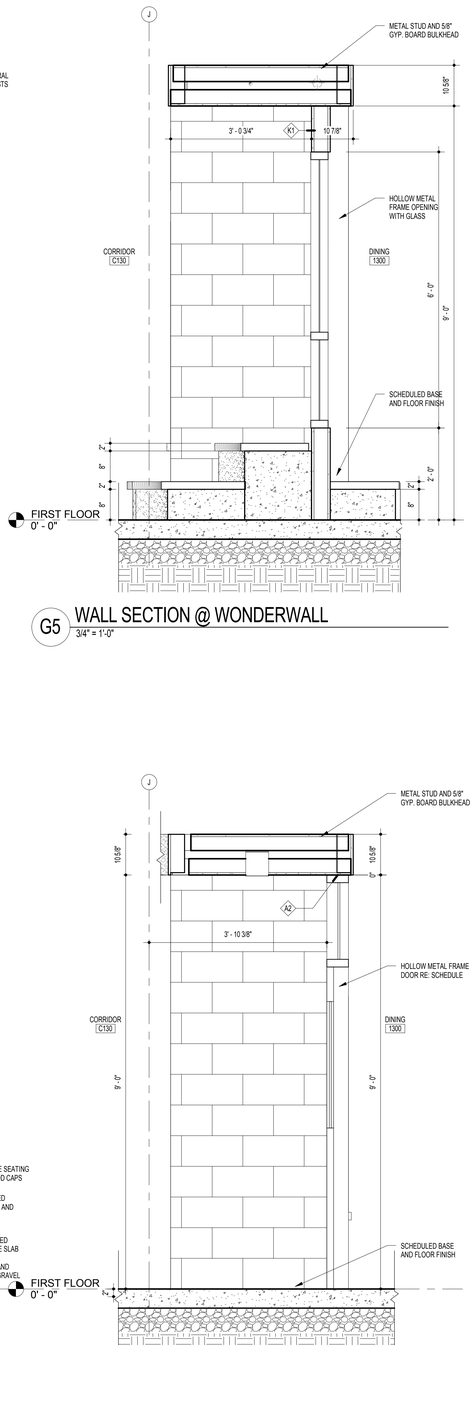

A18 WALL SECTION @ VEST. AND CORR. C130
3/4" = 1'-0"



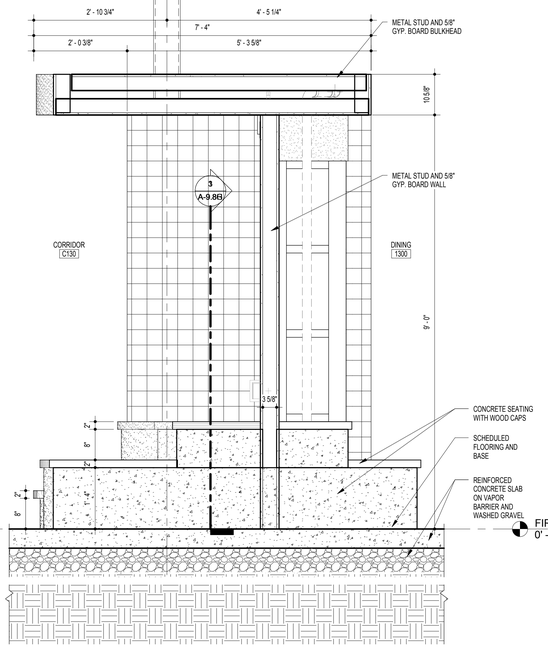

A13 WALL SECTION @ WAITING & CORR. C130
3/4" = 1'-0"




A9 WALL SECTION @ WONDERWALL RISERS
3/4" = 1'-0"




G5 WALL SECTION @ WONDERWALL
3/4" = 1'-0"







A5 WALL SECTION @ WONDERWALL ENTRANCE
3/4" = 1'-0"

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GP# 21553

WALL SECTIONS -CORRIDOR AND VESTIBULE

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

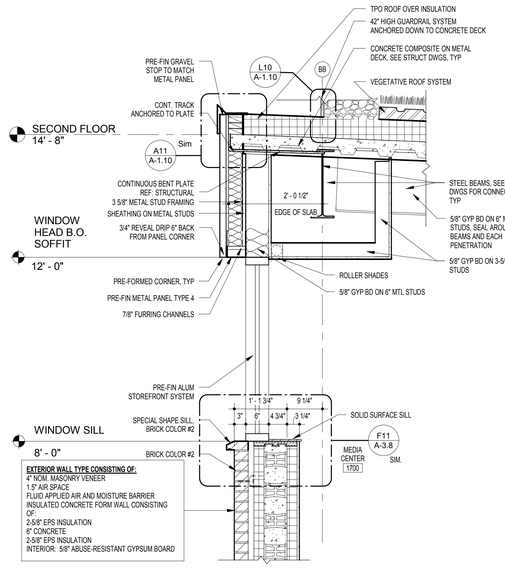
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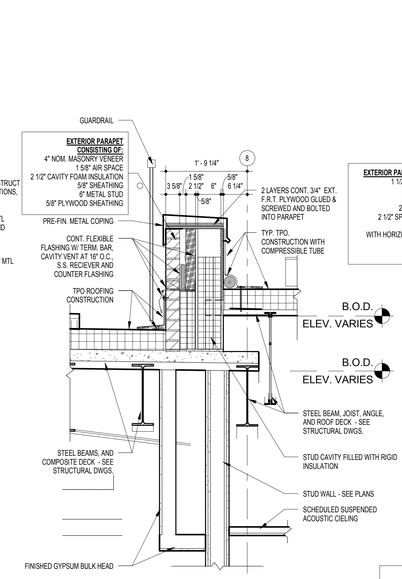
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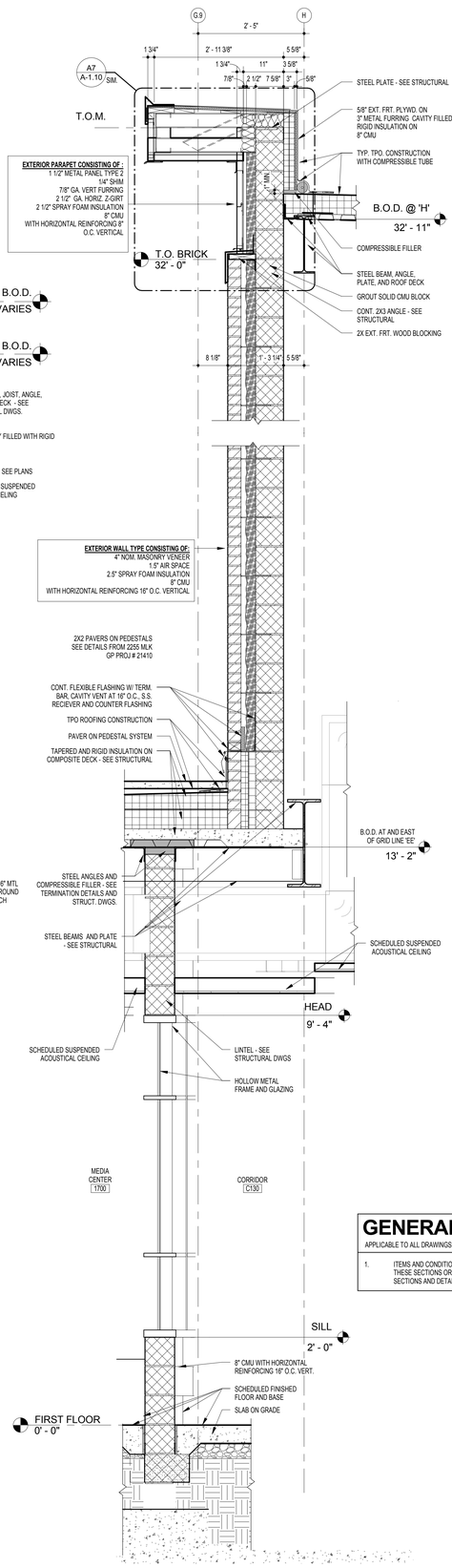
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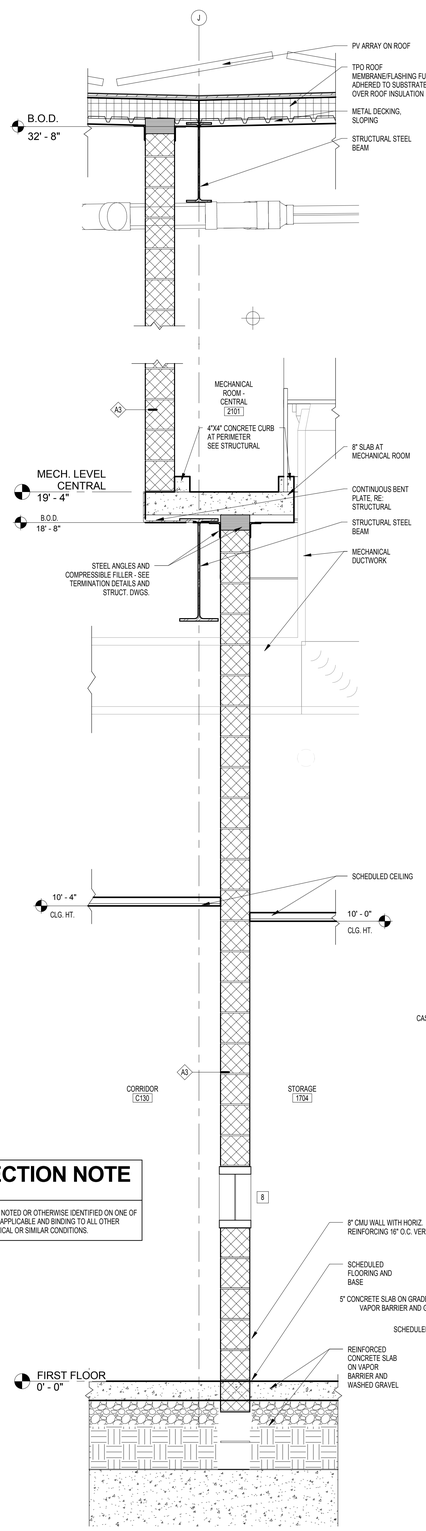


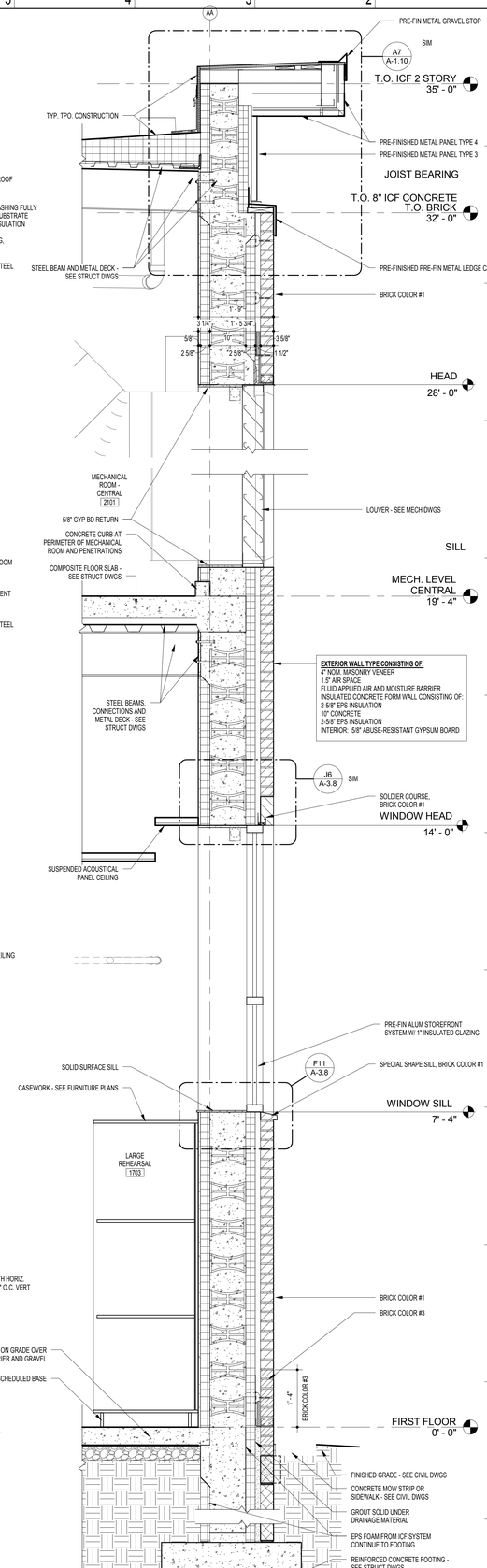

## J18 WALL SECTION @ MEDIA HIGH SF
3/4" = 1'-0"

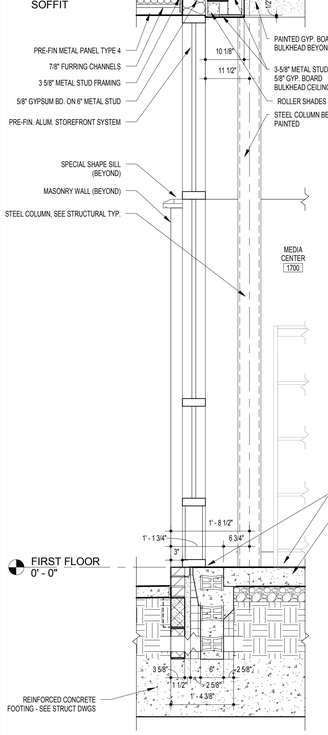



## J14 OUTDOOR PLAZA S. PARAPET WALL
3/4" = 1'-0"

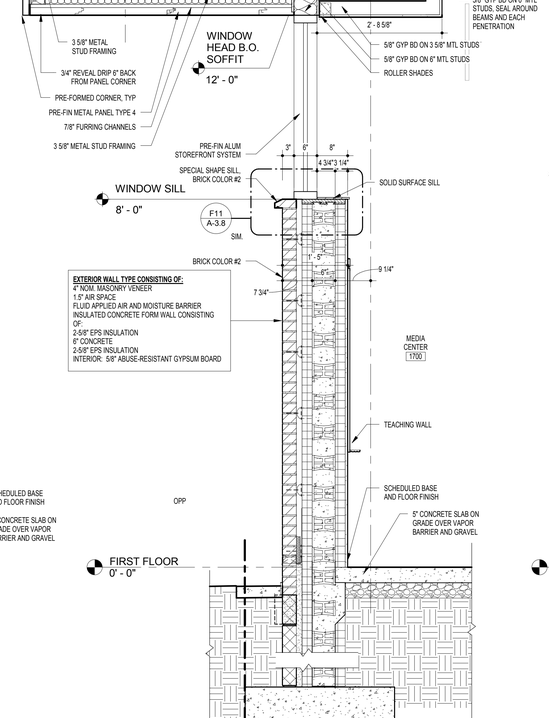



## A18 WALL SECTION @ MEDIA SF
3/4" = 1'-0"




## A16 WALL SECTION @ MEDIA
3/4" = 1'-0"

## GENERAL SECTION NOTE

APPLICABLE TO ALL DRAWINGS:

1. ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

## A12 WALL SECTION @ MEDIA EAST WALL & CENTRAL MECH. RM.
3/4" = 1'-0"

## A8 WALL SECTION @ CENTRAL MECH. ROOM
3/4" = 1'-0"




## A5 WALL SECTION @ MUSIC/CENTRAL MECH. ROOM
3/4" = 1'-0"

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WALL SECTIONS - MEDIA AND CENTRAL MECH. ROOM

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

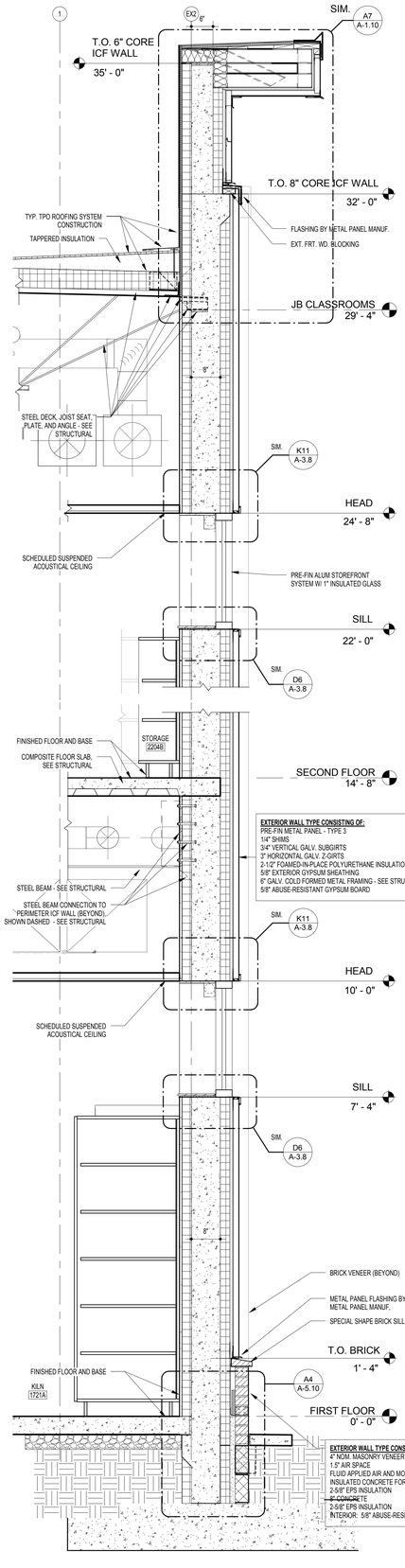
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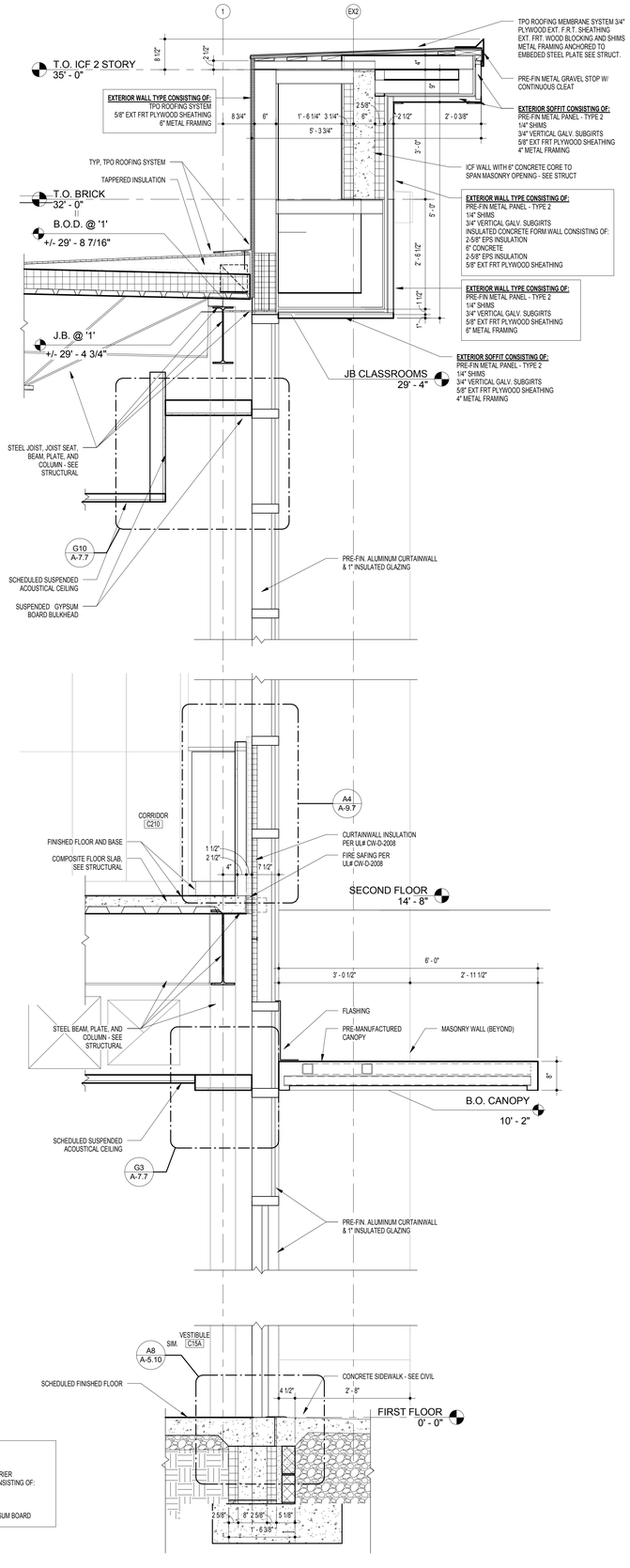
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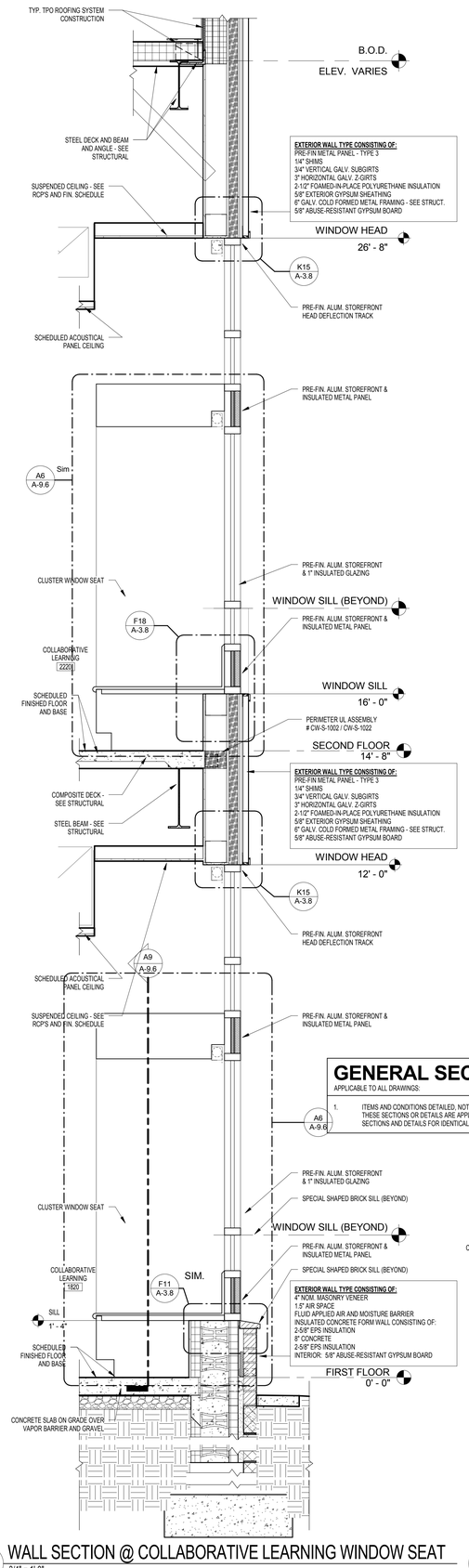
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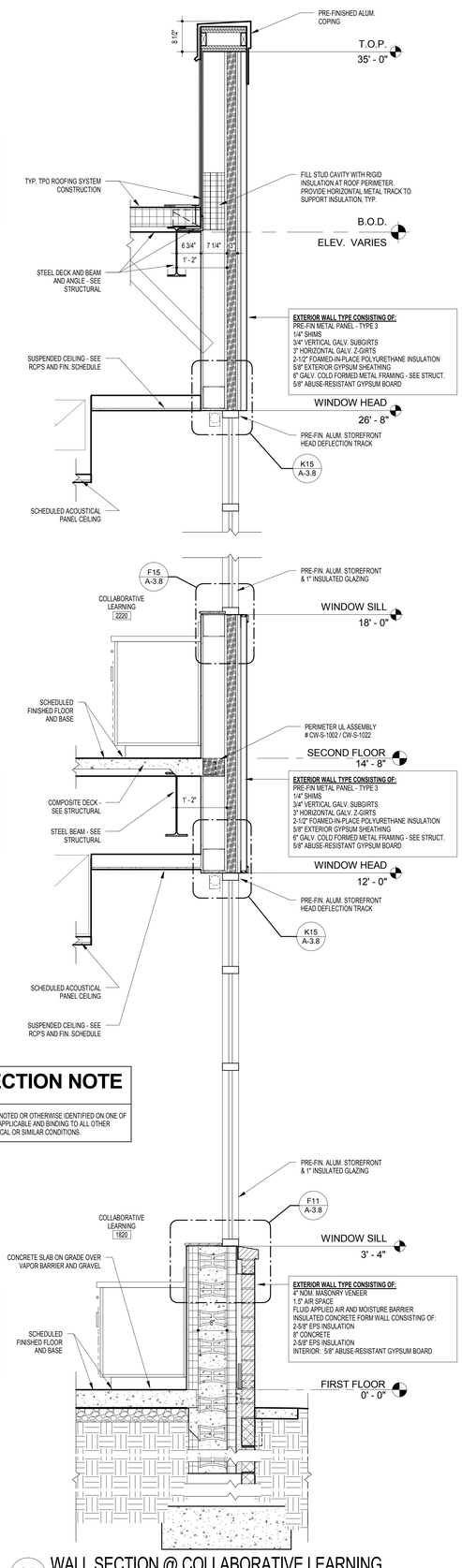

A18 WALL SECTION @ KILM EXT WALL AREA ALONG EX2
3/4" = 1'-0"




A15 WALL SECTION @ VESTIBULE C15A ENTRANCE
3/4" = 1'-0"




A9 WALL SECTION @ COLLABORATIVE LEARNING WINDOW SEAT
3/4" = 1'-0"




A5 WALL SECTION @ COLLABORATIVE LEARNING
3/4" = 1'-0"

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WALL SECTIONS - CLASSROOM WING

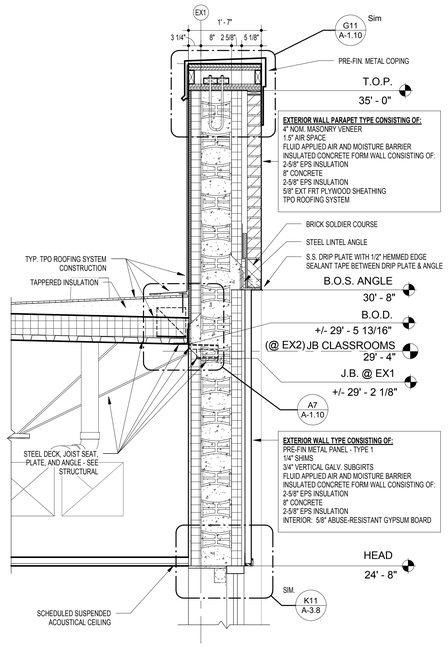
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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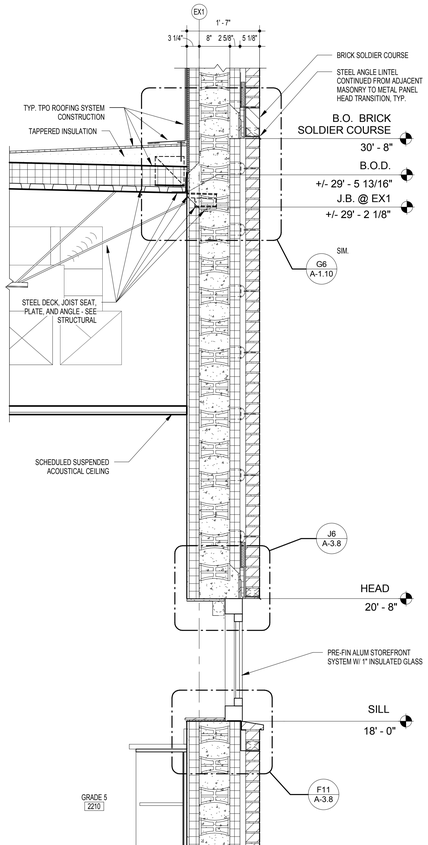
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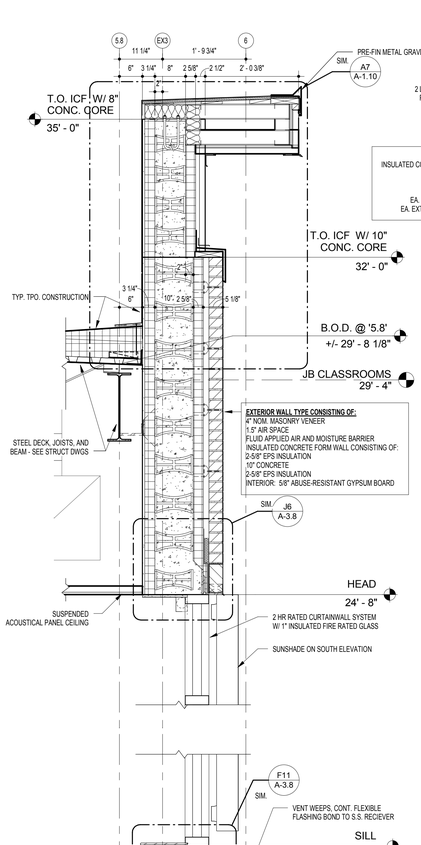
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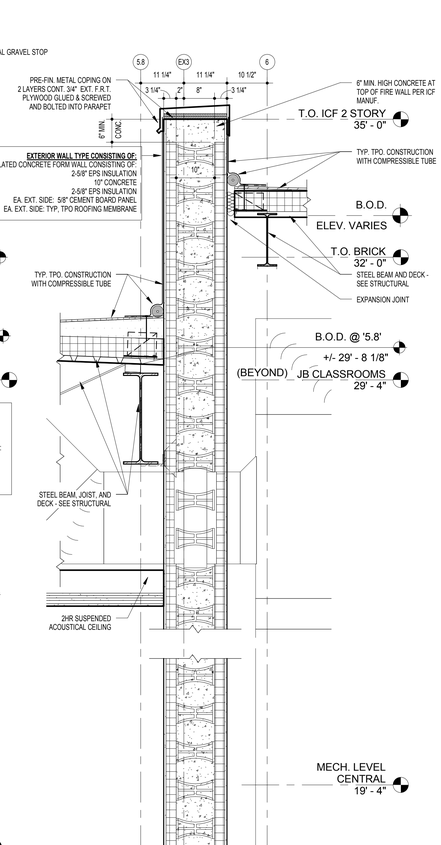

A18 WALL SECTION AT CLASSROOM 4
3/4" = 1'-0"



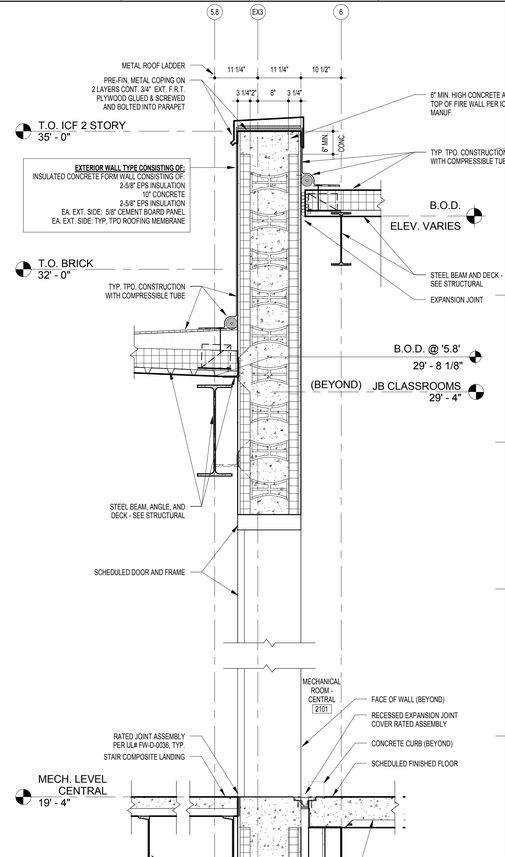

A15 WALL SECTION AT CLASSROOM 3
3/4" = 1'-0"




A12 WALL SECTION @ FIRE WALL CROSS CORRIDOR2
3/4" = 1'-0"




A8 WALL SECTION @ FIRE WALL CROSS CORRIDOR
3/4" = 1'-0"




A4 WALL SECTION @ FIRE WALL CROSS CORRIDOR1
3/4" = 1'-0"

## GENERAL SECTION NOTE

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1. ITEMS AND CONDITIONS DETAILED, NOTED OR OTHERWISE IDENTIFIED ON ONE OF THESE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

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WALL SECTIONS - CLASSROOM WING

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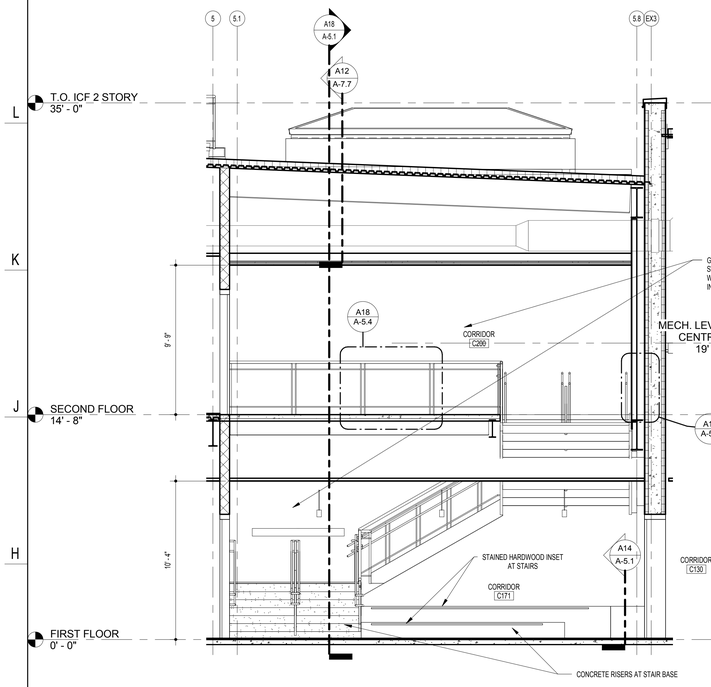
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## GENERAL VIEW NOTE

(NOTES APPLY TO ALL 3D VIEWS)

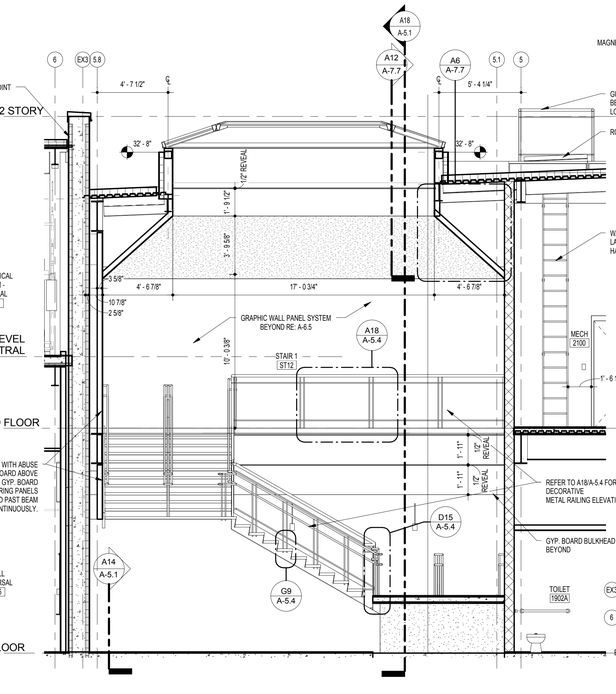
THIS AXONOMETRIC OR PERSPECTIVE VIEW IS TO AID IN THE GENERAL VISUALIZATION OF THE PROJECT. SOME ELEMENTS MAY BE MISSING FOR CLARITY.

FOR CONSTRUCTION DETAILS, REFERENCE THE PLANS, SECTIONS, AND ENLARGED DETAILS AS WELL AS ENGINEERING DRAWINGS.



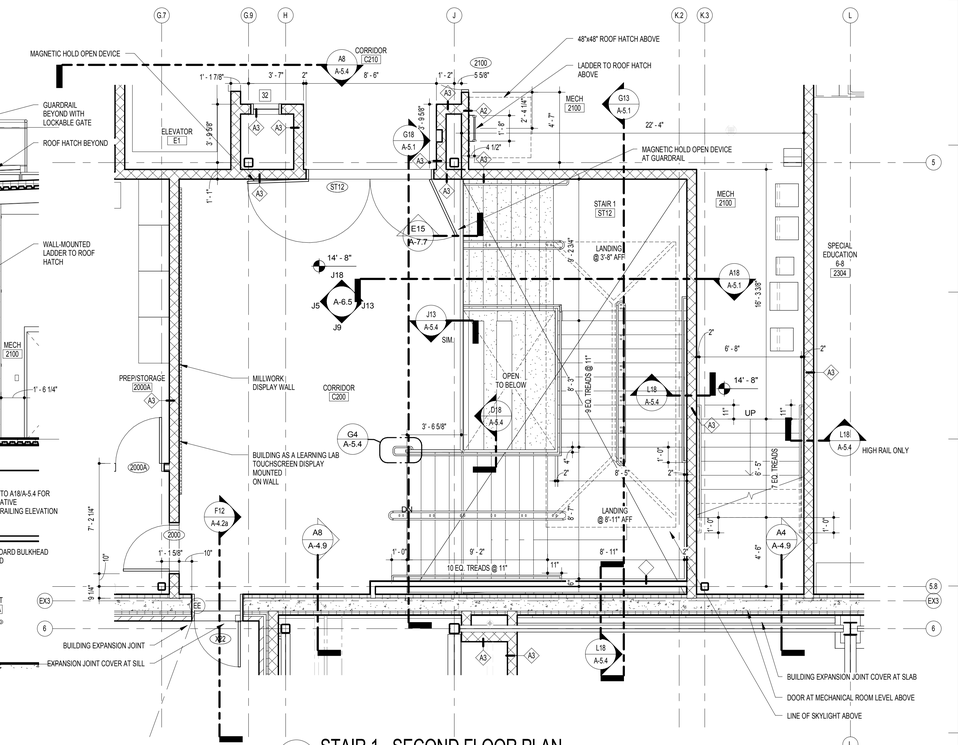

## G18 STAIR 1 - ELEVATION

1/4" = 1'-0"



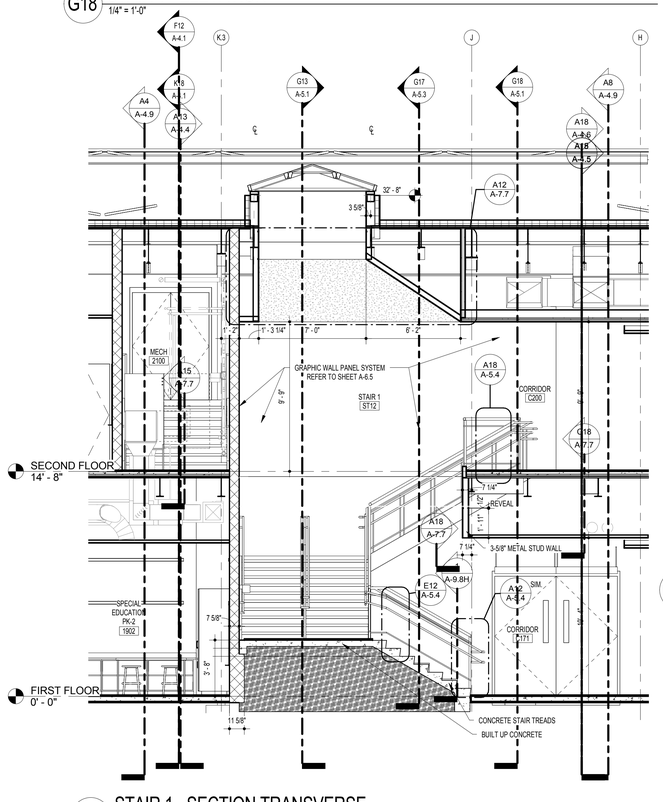

## G13 STAIR 1 - SECTION

1/4" = 1'-0"



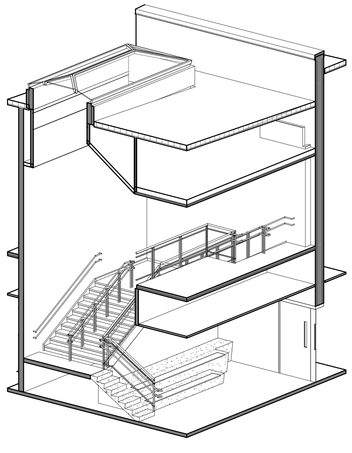

## G5 STAIR 1 - SECOND FLOOR PLAN

1/4" = 1'-0"

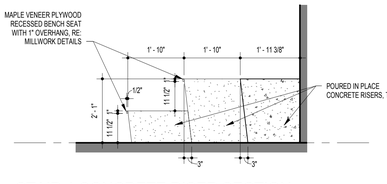



## G18 STAIR 1 - SECTION TRANSVERSE

1/4" = 1'-0"

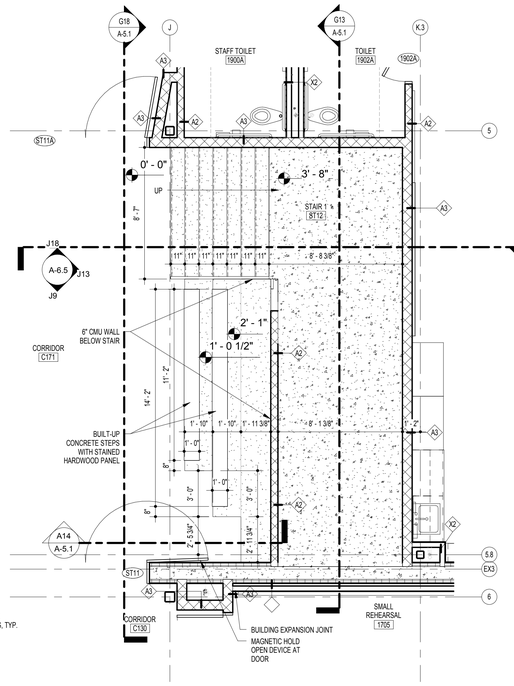


## C14 STAIR 1 - AXON




## A14 STAIR 1 CONCRETE RISER SECTION

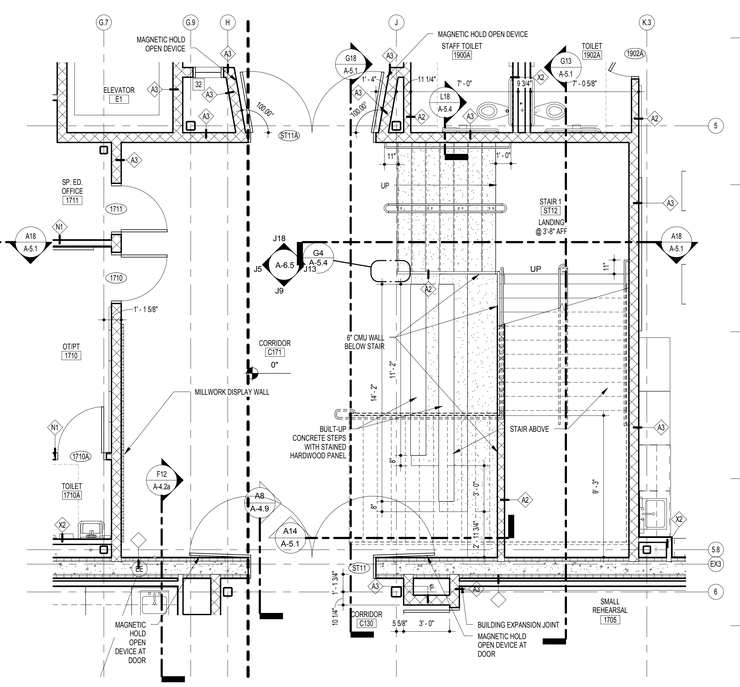
1/2" = 1'-0"




NOTE: RAILINGS, GUARDRAILS, AND STRINGERS TURNED OFF FOR CLARITY OF CONCRETE EDGE OF SLAB

## A10 STAIR 1 - FIRST FLOOR PLAN CONCRETE STEPS

1/4" = 1'-0"




## A6 STAIR 1 - FIRST FLOOR PLAN

1/4" = 1'-0"

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ENLARGED STAIR PLANS AND SECTIONS

HOLABIRD ACADEMY PK-8
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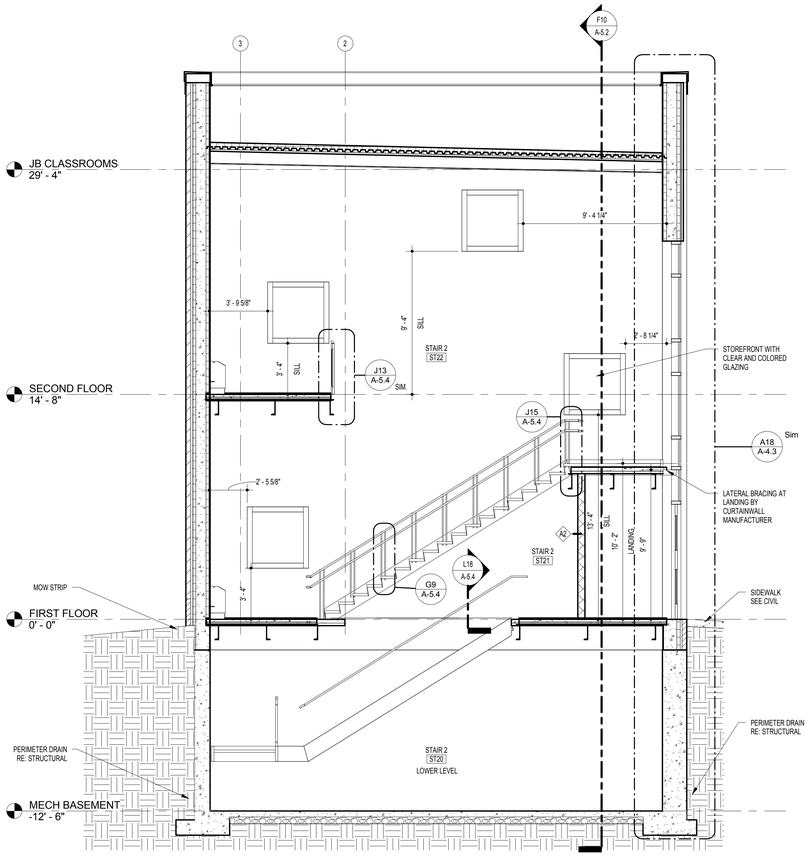
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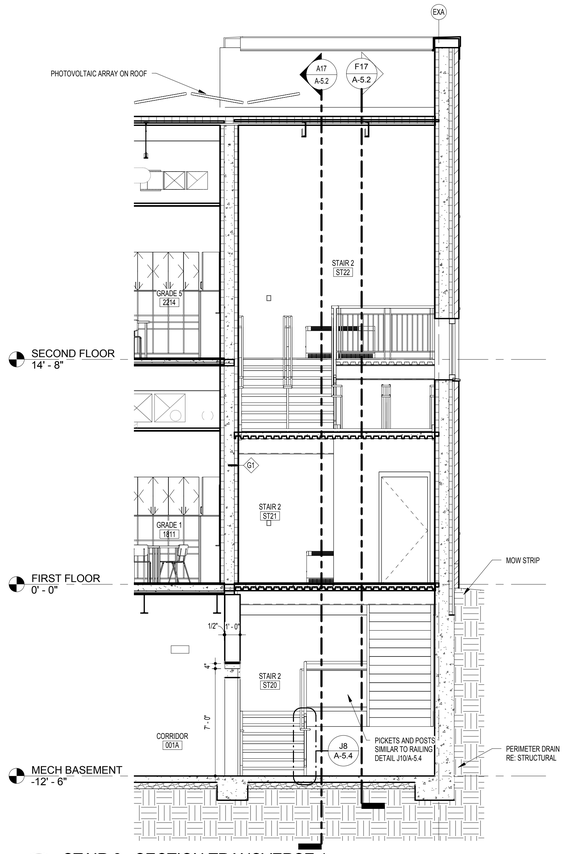
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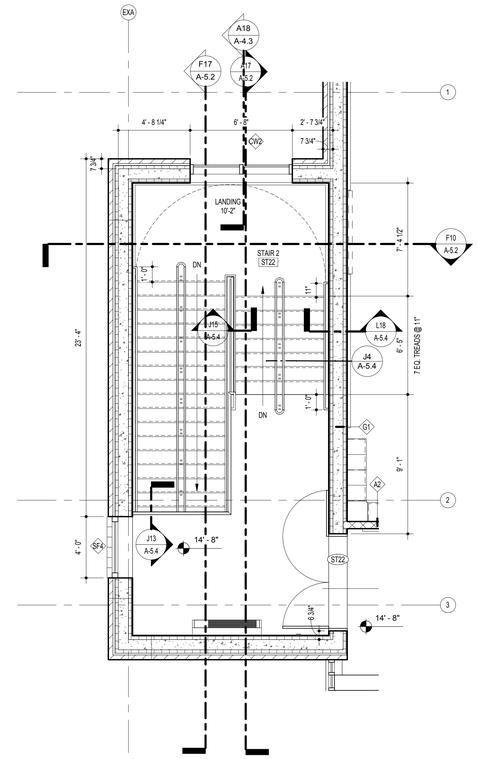
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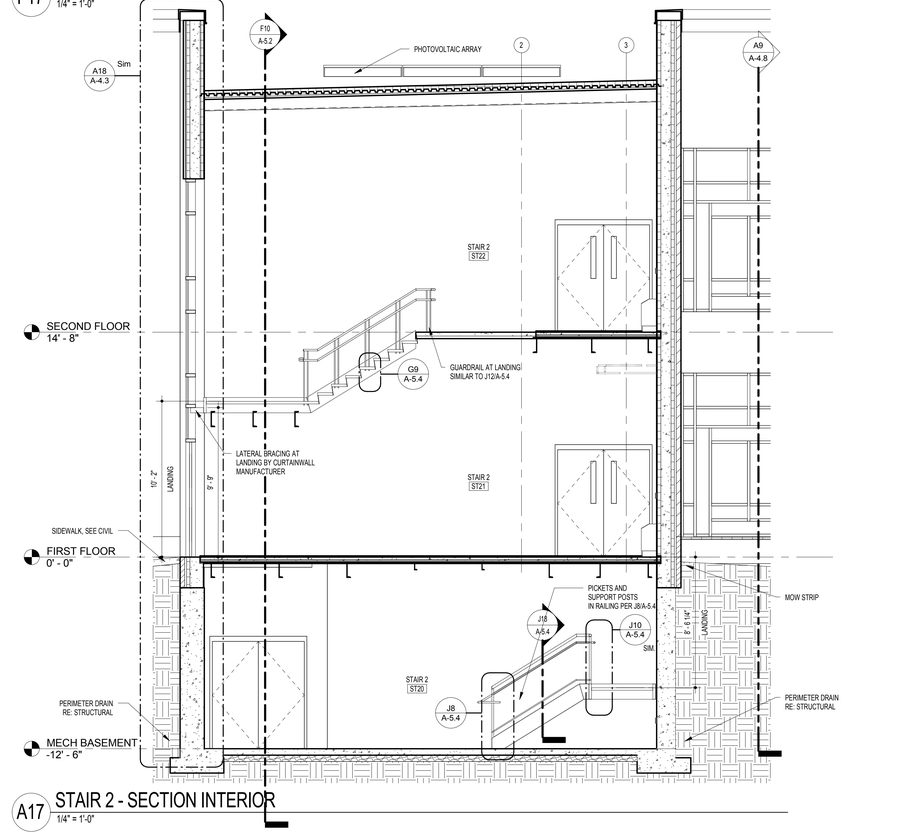

F17 STAIR 2 - SECTION
1/4" = 1'-0"



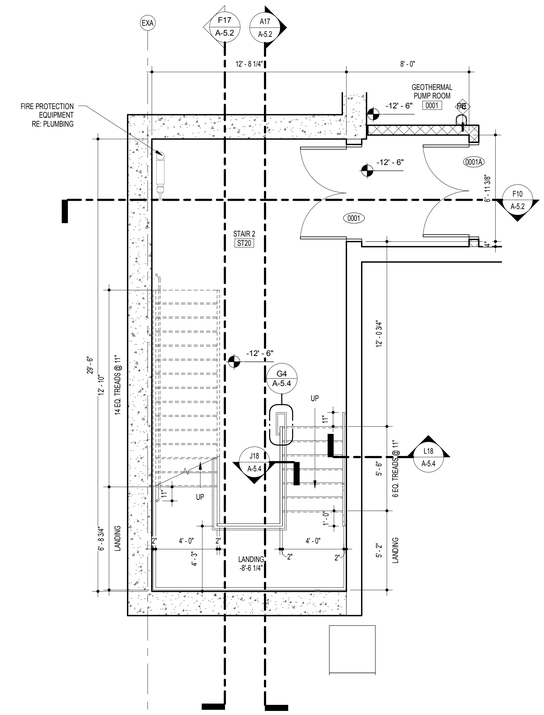

F10 STAIR 2 - SECTION TRANSVERSE 1
1/4" = 1'-0"



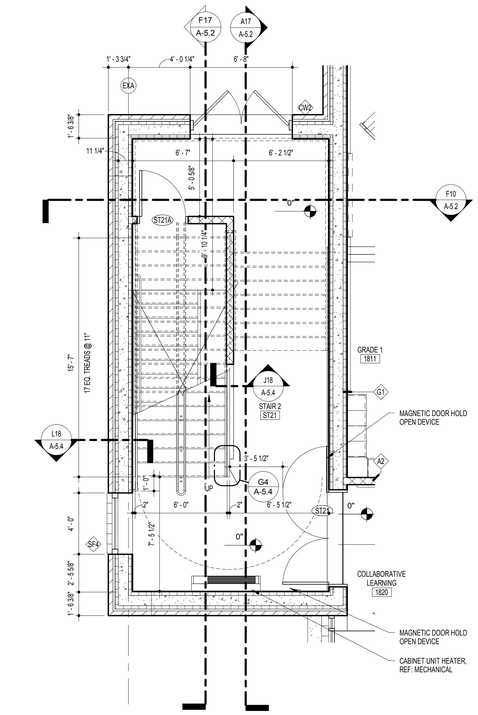

F5 STAIR 2 - SECOND FLOOR PLAN
1/4" = 1'-0"




A17 STAIR 2 - SECTION INTERIOR
1/4" = 1'-0"




A10 STAIR 2 - BASEMENT FLOOR PLAN
1/4" = 1'-0"




A5 STAIR 2 - FIRST FLOOR PLAN
1/4" = 1'-0"

N

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ENLARGED STAIR PLANS AND SECTIONS

HOLABIRD ACADEMY PK-8
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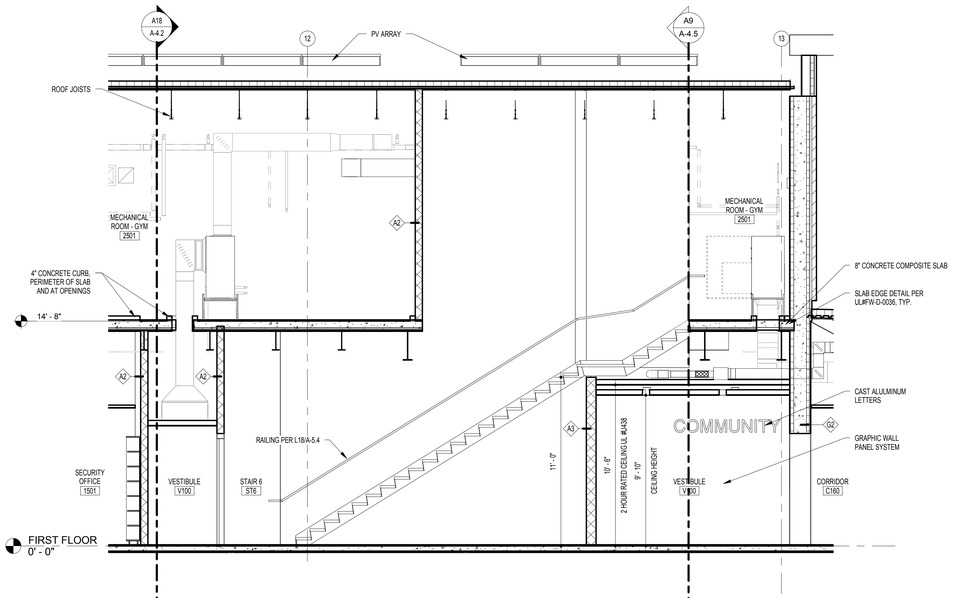
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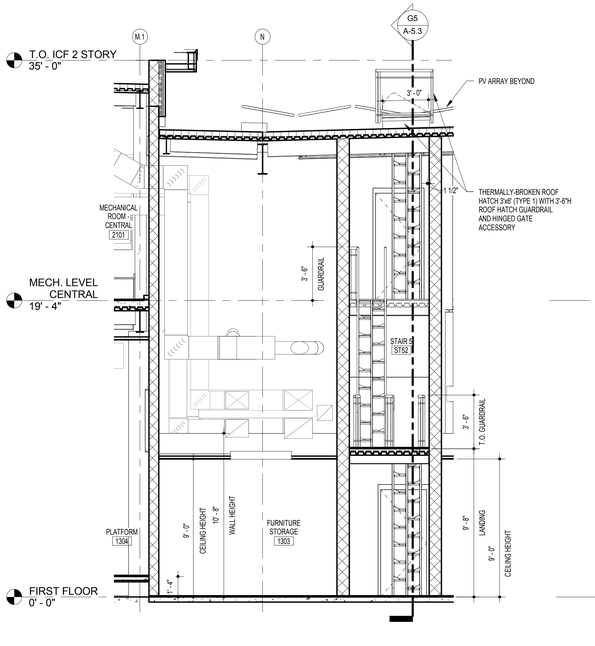
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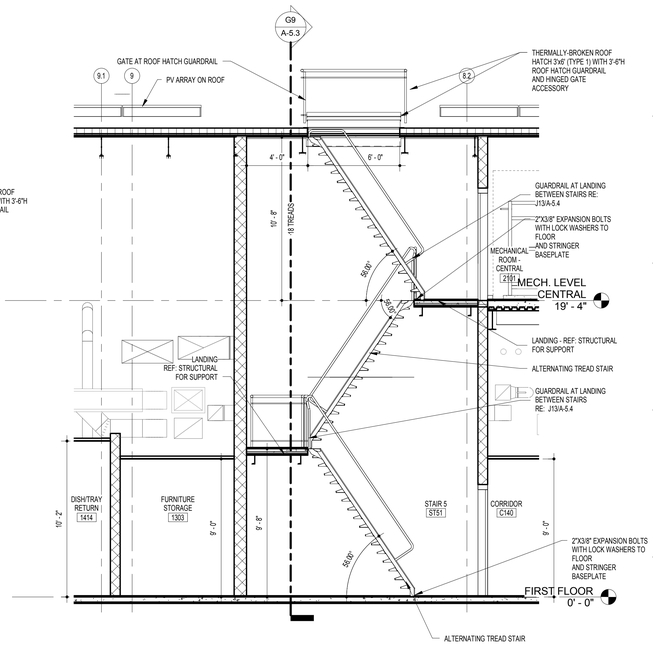
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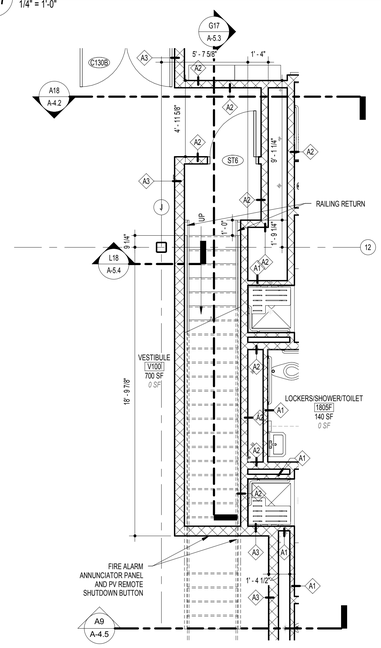

G17 STAIR 6 - SECTION
1/4" = 1'-0"



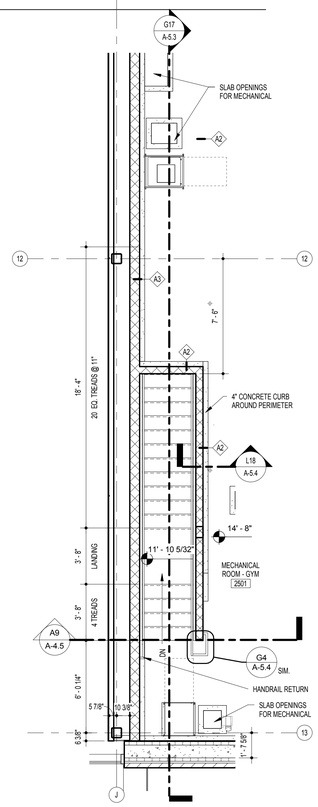

G9 STAIR 5 - SECTION TRANSVERSE
1/4" = 1'-0"



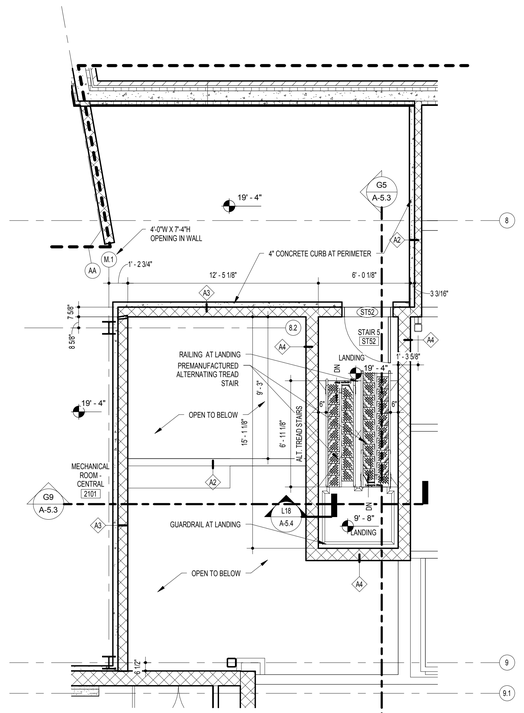

G5 STAIR 5 - SECTION
1/4" = 1'-0"



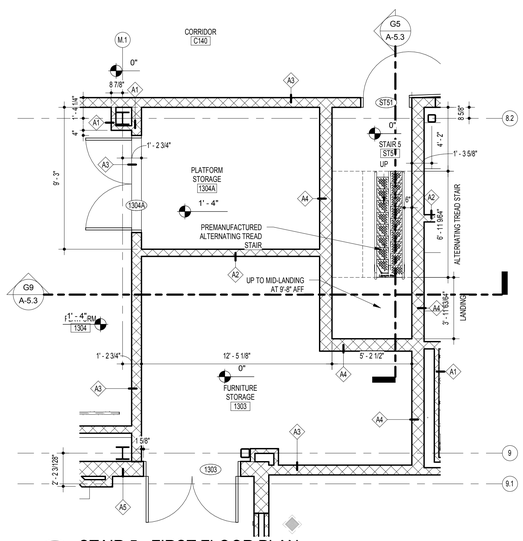

G17 STAIR 6 - SECTION
1/4" = 1'-0"




A13 STAIR 6 - FLOOR PLAN
1/4" = 1'-0"




A9 STAIR 5 - SECOND FLOOR PLAN
1/4" = 1'-0"




A5 STAIR 5 - FIRST FLOOR PLAN
1/4" = 1'-0"

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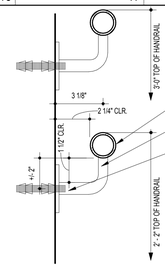
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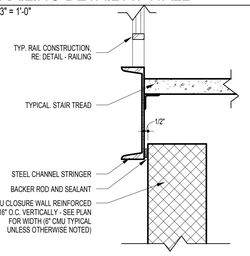
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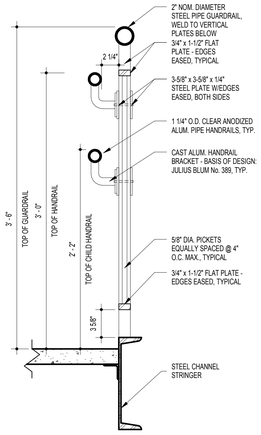
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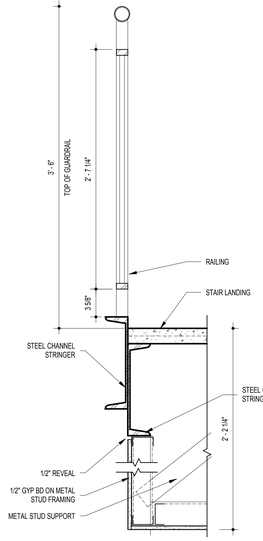
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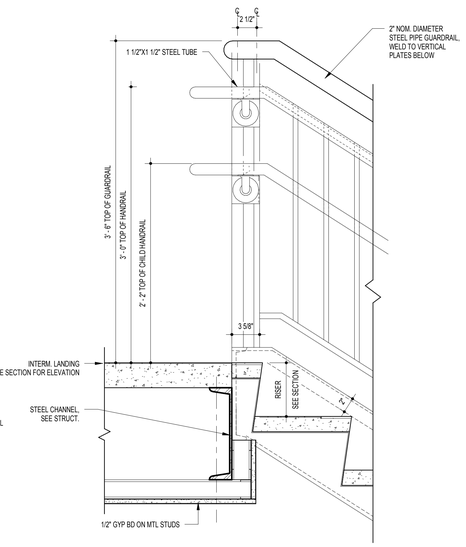


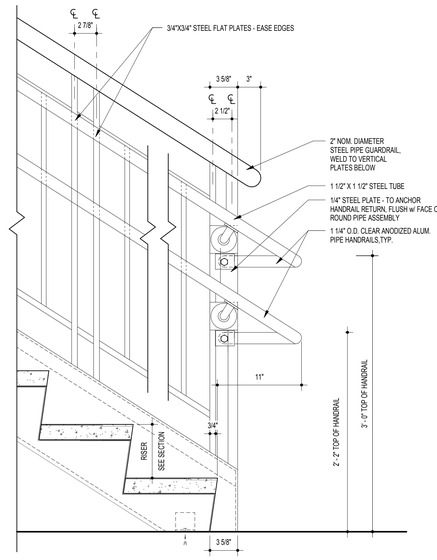

## L18 RAILING DETAIL AT WALL
3" = 1'-0"



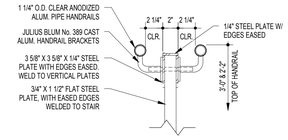



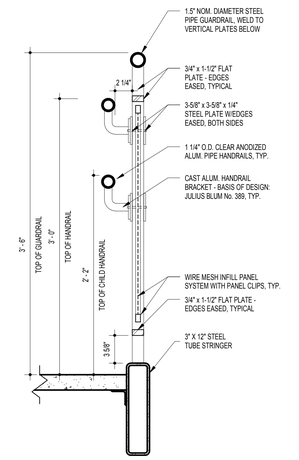




## TYPICAL STAIR NOTES

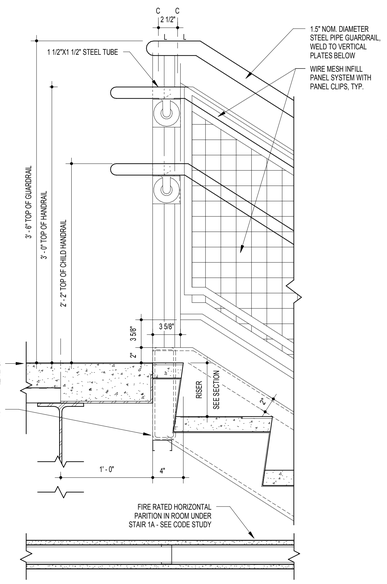
1. LIVE LOAD REQUIREMENTS
   100 PSF DISTRIBUTED LOAD
   200 PSF CONCNETRATED LOAD
   IN ANY DIRECTION (OSHA REQUIREMENT)
   SEE SPECIFICATIONS FOR ADDITIONAL LOAD REQUIREMENTS
2. TREADS: 2" CONCRETE FILLED, NO. 14 GA. STEEL PAN ANCHORED WITH CONTINUOUS ANGLES WELDED TO STRINGER. TREAD FINISH TO BE PER FINISH SCHEDULE, WITH TWO-PIECE EXTRUDED ALUMINUABRASIVE STAIR NOSING. PROVIDE LEVELER AS REQUIRED FOR TILE TO MEET ELEVATION OF NOSING.
3. RISERS: CLOSED, NO. 14 GA. STEEL RISERS WITH INTEGRAL SANITARY COVE, ANCHORED WITH CONTINUOUS ANGLES WELDED TO STRINGER.
4. STRINGERS: 12" MINIMUM CHANNEL SECTIONS, TYPICAL.
5. HANDRAILS: 1 1/4" O.D. CLEAR ANODIZED ALUMINUM PIPE (SATIN FINISH), CONTINUOUS PIECES AND SECURED TO BRACKETS AT SPACING REQUIRED TO MEET LOAD REQUIREMENTS (SEE SPECIFICATIONS).
6. HANDRAIL BRACKETS: JULIUS BLUM NO. 389 CAST ALUMINUM
7. GUARDRAILS: SEE DETAILS. ALL CONNECTIONS TO BE WELDED AND GROUND SMOOTH; FINISH WITH FIELD PAINTING.
8. LANDINGS: SEE STRUCTURAL DRAWINGS FOR LANDING DESIGNED BY THE STRUCTURAL ENGINEER FOR BRACING. LANDINGS NOT DESIGNED SHALL COMPLY WITH THE FOLLOWING: 3" CONCRETE SLAB ON STEEL DECK, SPAN ACROSS WIDTH OF STAIR BETWEEN STRUCTURAL CHANNELS SHALL NOT EXCEED 6'-0". PROVIDE 6"X6" #8 WWF IN ALL INTERMEDIATE LANDINGS.



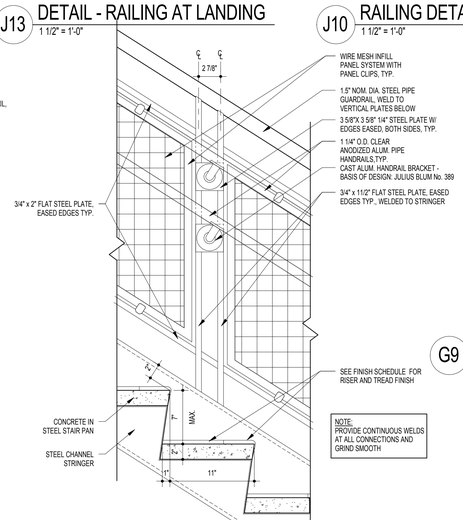

## J18 DETAIL - STRINGER @ CLOSURE WALL
1 1/2" = 1'-0"



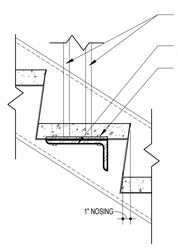

## J15 DETAIL - RAILING
1 1/2" = 1'-0"



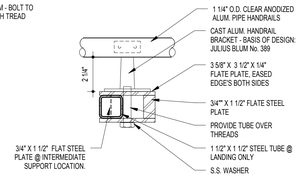

## J13 DETAIL - RAILING AT LANDING
1 1/2" = 1'-0"



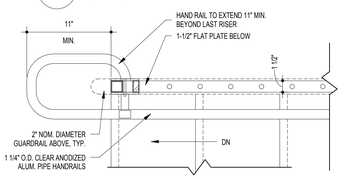

## J10 RAILING DETAIL AT LANDING
1 1/2" = 1'-0"




## J8 RAILING DETAIL AT BOTTOM LANDING
1 1/2" = 1'-0"



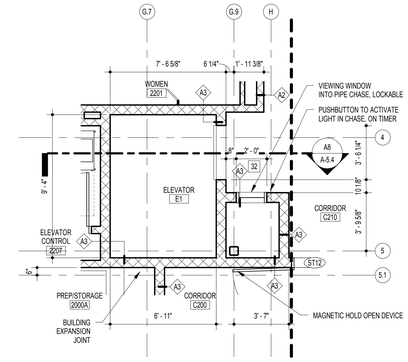

## J4 INTERMEDIATE RAILING DETAIL
1 1/2" = 1'-0"



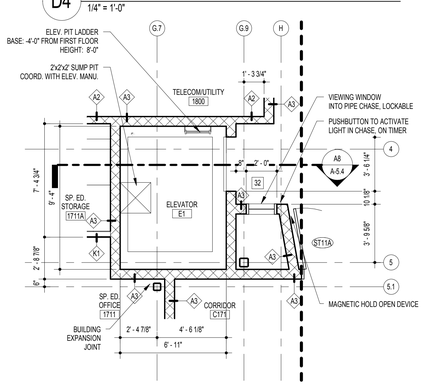

## G4 DETAIL PLAN - RAILING RETURN
1 1/2" = 1'-0"

## G9 DETAIL - INTERMEDIATE RAIL SUPPORT
1 1/2" = 1'-0"

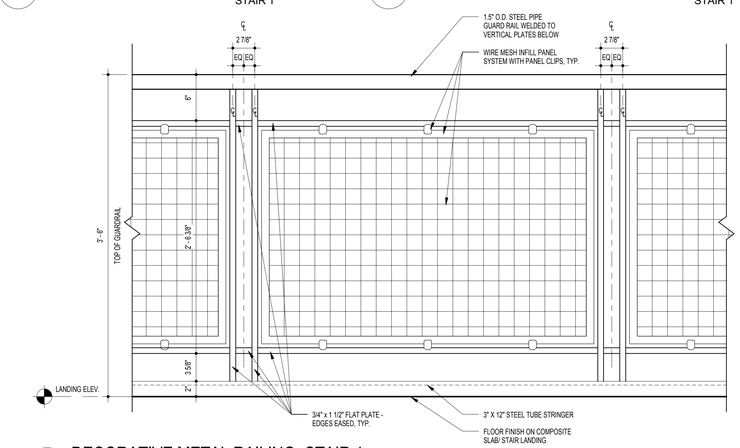
## G6 HANDRAIL PLAN DETAIL
3" = 1'-0"



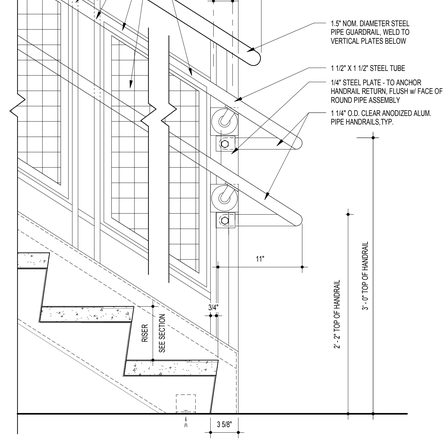

## D4 ELEVATOR - SECOND FLOOR PLAN
1/4" = 1'-0"




## D18 DETAIL - DECORATIVE RAILING
1 1/2" = 1'-0"
STAIR 1



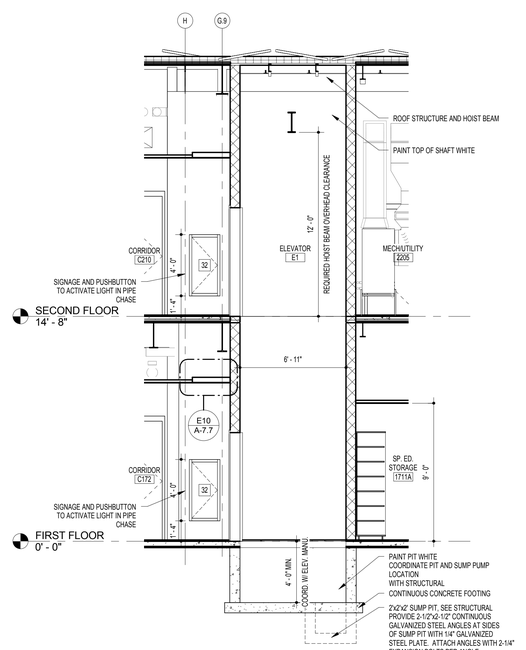

## D15 DECORATIVE RAILING DETAIL AT LANDING
1 1/2" = 1'-0"
STAIR 1




## E12 DTL - STAIR TREAD & RAILING SUPPORT
1 1/2" = 1'-0"

## A18 DECORATIVE METAL RAILING -STAIR 1
1 1/2" = 1'-0"

## A12 DECORATIVE RAILING DETAIL AT BOTTOM LANDING
1 1/2" = 1'-0"
STAIR 1




## A8 ELEVATOR - SECTION
1/4" = 1'-0"

## A4 ELEVATOR - FIRST FLOOR PLAN
1/4" = 1'-0"

N

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www.grimmandparker.com

GP# 21553

STAIR DETAILS AND ELEVATOR PLANS AND SECTION

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

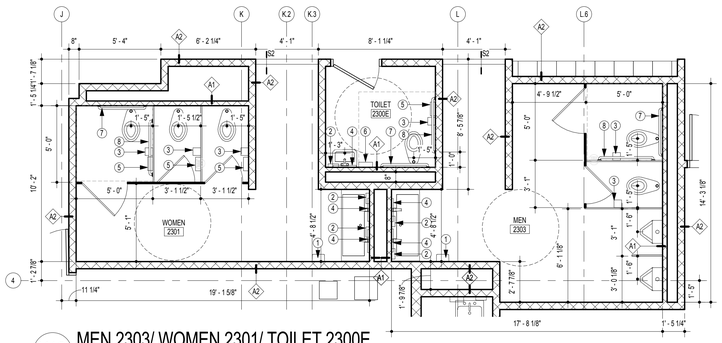
| DATE | DESCRIPTION |
|---|---|

**A-5.4**

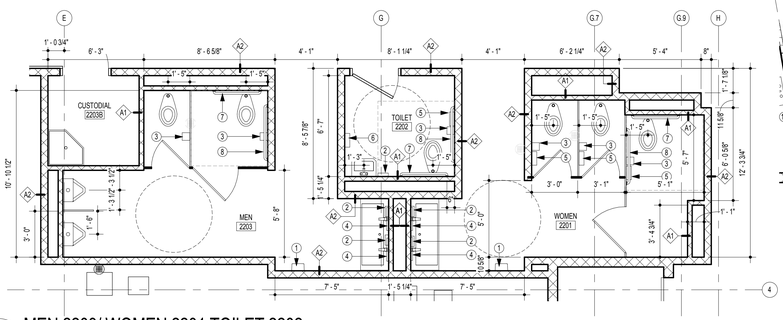
03/13/2017
BID SET

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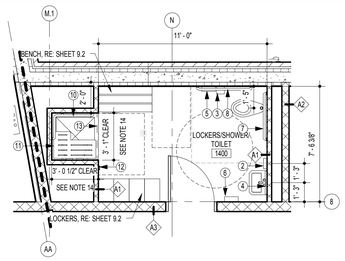
© GRIMM AND PARKER, P.C. 2014



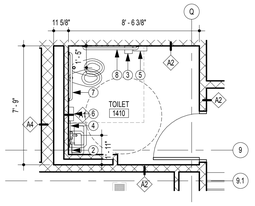

K18 MEN 2303/ WOMEN 2301/ TOILET 2300E
1/4" = 1'-0"



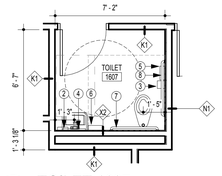

K13 MEN 2203/ WOMEN 2201 TOILET 2202
1/4" = 1'-0"



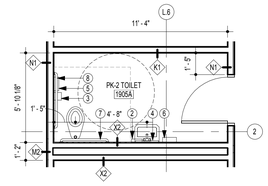

L6 LOCKERS/SHOWER/TOILET 1400
1/4" = 1'-0"



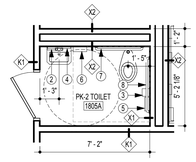

J15 TOILET 1410
1/4" = 1'-0"



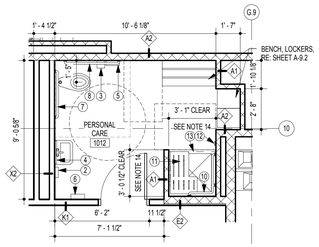

J13 TOILET 1607
1/4" = 1'-0"



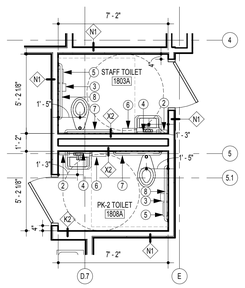

J11 PK-2 TOILET 1905A
1/4" = 1'-0"



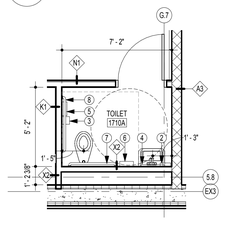

J8 PK-2 TOILET 1805A
1/4" = 1'-0"



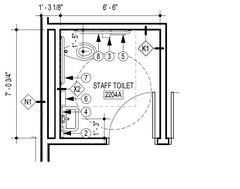

J6 PERSONAL CARE 1012
1/4" = 1'-0"



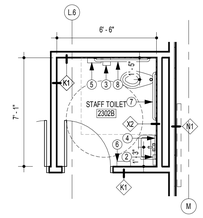

G18 STAFF TOILET 1803A/PK-2 TOILET 1808A
1/4" = 1'-0"



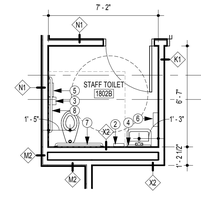

G15 TOILET 1710A
1/4" = 1'-0"



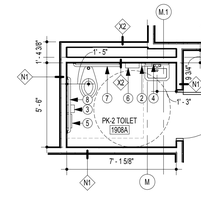

G13 STAFF TOILET 2204A
1/4" = 1'-0"



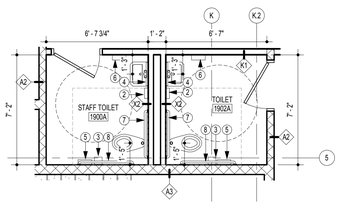

G11 STAFF TOILET 2302B
1/4" = 1'-0"



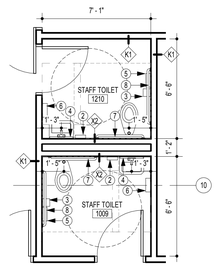

G8 STAFF TOILET 1802B
1/4" = 1'-0"



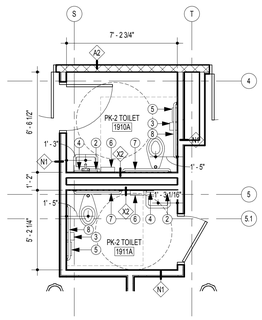

G6 PK-2 TOILET 1908A
1/4" = 1'-0"



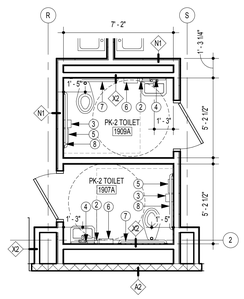

D18 STAFF TOILET1900A/ TOILET 1902A
1/4" = 1'-0"



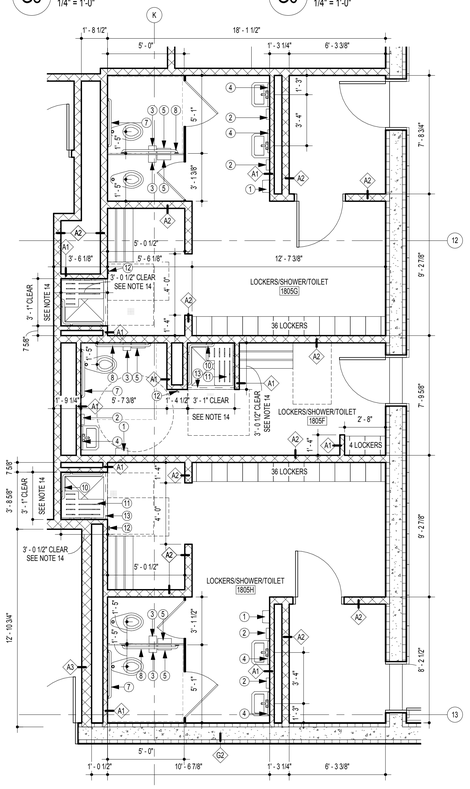

D15 STAFF TOILET 1009/1210
1/4" = 1'-0"



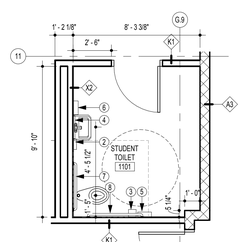

D13 PK-2 TOILET 1910A/1911A
1/4" = 1'-0"



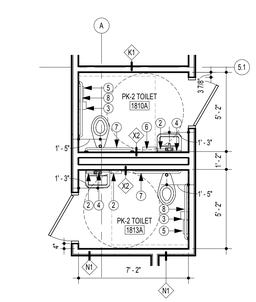

D11 PK-2 TOILET 1909A/1907A
1/4" = 1'-0"



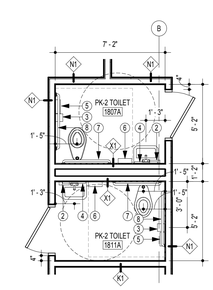

A8 LOCKERS/ SHOWER/TOILET 1805G,1510,1805H
1/4" = 1'-0"



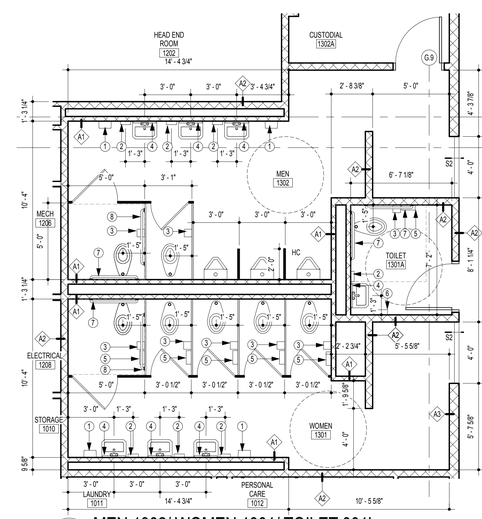

A15 STUDENT TOILET 1101
1/4" = 1'-0"




A13 PK-2 TOILET 1810A/1813A
1/4" = 1'-0"




A11 PK-2 TOILET 1801A/1811A
1/4" = 1'-0"




A4 MEN 1302/ WOMEN 1301/ TOILET 001L
1/4" = 1'-0"

## TYPICAL TOILET ROOM NOTES

1. AT ALL FLOOR DRAINS IN AREAS OF NEW CONCRETE SLABS, PROVIDE 18" X 18" SLOPED SUMP TO DRAIN.
2. ALL ACCESSORIES ARE SURFACE MOUNTED UNLESS NOTED OTHERWISE.
3. PROVIDE 1 PAPER TOWEL DISPENSER AND SOAP DISPENSER (ITEMS 2 & 6) AT EACH SINK LOCATION THROUGHOUT THE BUILDING.
4. NO SUBSTITUTIONS WILL BE PERMITTED FOR TOILET ACCESSORIES UNLESS WRITTEN APPROVAL IS OBTAINED FROM THE OWNER'S MAINTENANCE DEPARTMENT.
5. PROVIDE UTILITY SHELF W/ MOP HOLDER IN ALL CUSTODIAL CLOSETS. SEE SPECIFICATION FOR INFORMATION.
6. LOCATE SANITARY NAPKIN DISPOSAL UNITS 2'-0" O.C. FROM ADJACENT WALL AND 2'-0" A.F.F. TO THE TOP OF THE UNIT. LOCATE AT ALL WOMEN'S TOILET.
7. ALL WALLS, BASE OF ALL SHOWER STALLS AND TOILET ROOMS TO BE CERAMIC TILE. PORCELAIN TILE FLOORING IN BOTH SHOWER AND TOILET ROOMS. PATTERNS/COLORS TO BE ISSUED BY ARCHITECT. ASSUME 3 COLORS. MINIMAL COMPLEXITY OF PATTERNS.
8. ALL HANDRAIL MOUNTING SHALL COMPLY W/ ADA REQUIREMENTS.
9. CENTERLINES OF ALL TOILETS IN STALLS SHALL BE EQUAL DISTANT BETWEEN PARTITIONS UNLESS DIMENSIONED OR NOTED OTHERWISE.
10. WHERE TOILET ACCESSORIES FALL PARTIALLY ON THE CERAMIC TILE EITHER OMIT THE TILE UNDER THE ACCESSORY FOR A FLUSH FIT OR PROVIDE CONTINUOUS WOOD BLOCKING
11. REFER TO PLUMBING PLANS FOR FLOOR DRAIN LOCATIONS AND SUMPS - FLOOR DRAINS IN EACH BUILDING SERVICES CLOSET, SHOWER, AND TOILET ROOMS.
12. REFER TO PLUMBING PLANS AND SCHEDULE FOR TOILET FIXTURE TYPE LOCATIONS.
13. NOT USED.
14. SHOWER DIMENSIONS PROVIDED ON PLAN ARE CLEAR DIMENSIONS TO FACE OF WALL. PROVIDE 3'-0" CLEAR DIMENSIONED TO FACE OF CERAMIC TILE FINISH.

## FIXTURE MOUNTING CRITERIA

| FIXTURE | | CHILD (K - 5TH) | STUDENT (6TH-8TH) | ADULT | CHILD ADA (K-5TH) | ADULT ADA (6TH & UP) | REMARKS |
|---|---|---|---|---|---|---|---|
| WATER CLOSET | A | 15" | - | 15" | 15" | 18 1/2" | TO TOP OF TOILET SEAT |
| | B | 22" | - | 22" | 14" | 25" | TO CL OF TISSUE DISPENSING POINT |
| | C | - | - | - | 25" | 36" | TO CENTERLINE OF GRAB BAR |
| | KEY NOTES: 1) 36" GRAB BAR; 2) 42" GRAB BAR; 3) TISSUE DISPENSER | | | | | | |
| URINAL | A | 17" | - | 17" | 15" | 15" | TO TOP OF RIM |
| LAVATORY | A | 31" | - | 31" | 32" | 34" | TO TOP OF RIM |
| | B | 40" | - | 40" | 38" | 40" | TO B.O. MIRROR REFLECTIVE SURFACE |
| | C | 40" | - | 40" | 38" | 40" | TO CENTERLINE OF SOAP DISPENSING POINT |
| PAPER TOWEL DISP | A | 40" | - | 40" | 38" | 40" | TO CENTERLINE OF TOWEL DISPENSING POINT |
| | B | | - | 40" | 36" | 40" | TO ELECTRIC EYE OF HAND DRYER |
| WATER COOLER | A | - | - | 40" | 36" | 36" | TO SPOUT OUTLET |

## TOILET ACCESSORIES

| ITEM # | ACCESSORY DESCRIPTION | BOBRICK | A.S.I. | BRADLEY | REMARKS |
|---|---|---|---|---|---|
| 1 | ELECTRIC HAND DRYER | | | | MOUNT 35" AFF |
| 2 | SOAP DISPENSER | B-2112 | 342 | 6542 | |
| 3 | TOILET TISSUE DISPENSER | B-2888 | 0030 | 5402 | |
| 4 | MIRROR 18"x36" | B-165 | 0620 | 781 | |
| 5 | SANITARY NAPKIN DISPOSAL | B-254 | 0852 | 4722-15 | |
| 6 | PAPER TOWEL DISPENSER | B-2612 | 210 | 250-15 | |
| 7 | GRAB BAR - 36" | B-6206.99-36 | 3201P-36 | 8211-00136 | |
| 8 | GRAB BAR - 42" | B-6206.99-42 | 3201P-42 | 8211-00142 | |
| 10 | CORNER GRAB BAR | B-62616.99 | 3274P | 8122-0591833 | |
| 11 | SHOWER SEAT | B-5181 | 8206-28 | 9569 | |
| 12 | ROBE HOOK | B-6717 | 7340 | 9114 | PROVIDE ONE HOOK OUTSIDE EACH SHOWER, AT EACH TOILET STALL DOOR AND WHERE INDICATED ON PLANS |
| 13 | SHOWER CURTAIN ROD, HOOKS, CURTAIN | B-6047, B-204-1, B-204-3 | 1214, 1200-SHU , 1200-V | 9538, 9536, 9535 | |

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GP# 21553

ENLARGED TOILET PLANS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

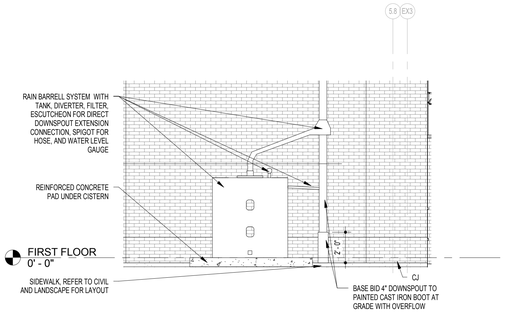
A-5.5
03/13/2017
BID SET

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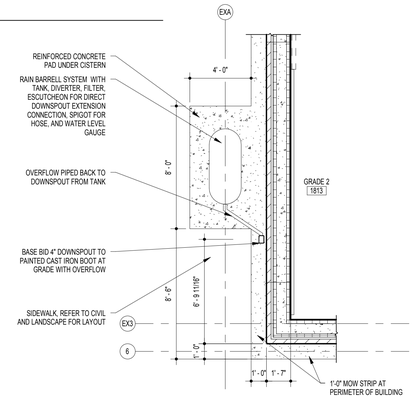
© GRIMM AND PARKER, P.C. 2014



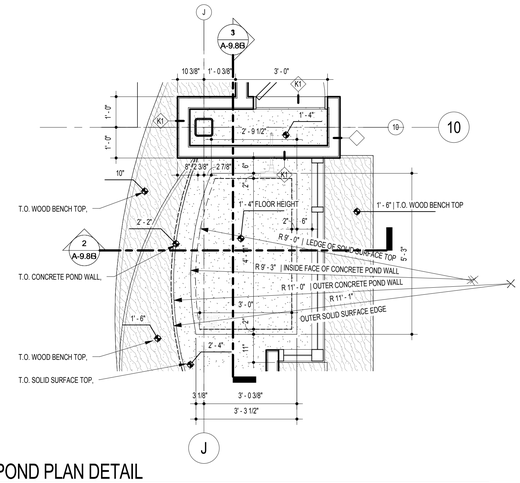

D18 PROSCENIUM PLAN DETAIL
1/2" = 1'-0"



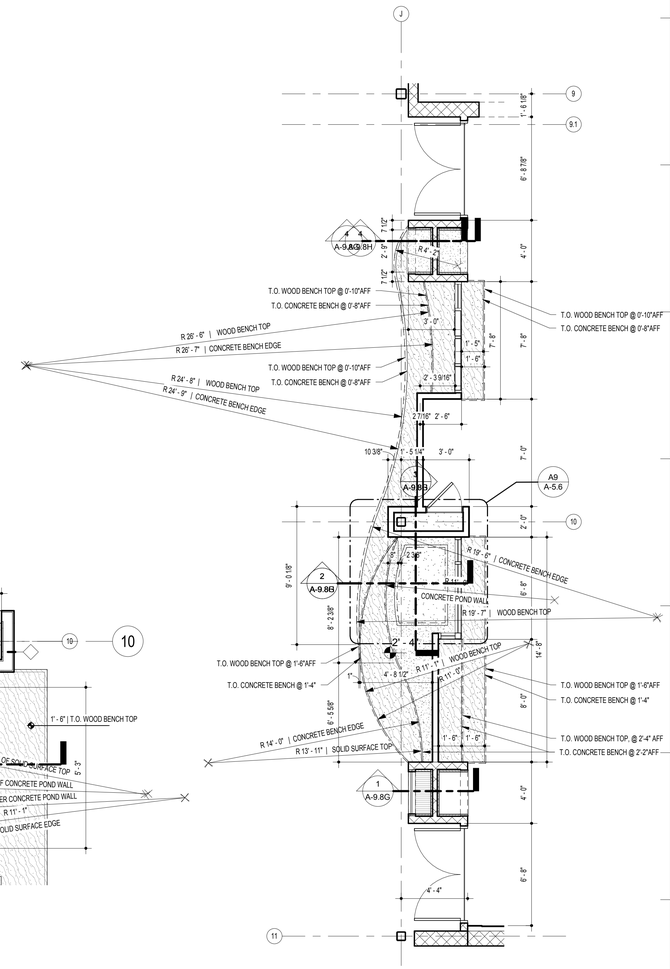

A18 PARTIAL ELEVATION - ALT RAINWATER HARVESTING SYSTEM
1/4" = 1'-0"




A14 ENLARGED PLAN DETAIL - ALT RAINWATER HARVESTING SYSTEM
1/4" = 1'-0"




A9 POND PLAN DETAIL
1/2" = 1'-0"




A4 WONDERWALL - PLAN DETAIL
1/4" = 1'-0"

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ENLARGED PLAN DETAILS

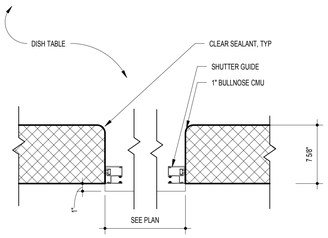
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

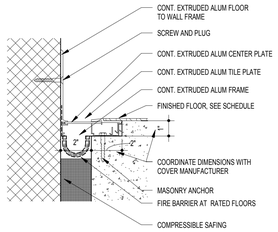
A-5.6
03/13/2017
BID SET

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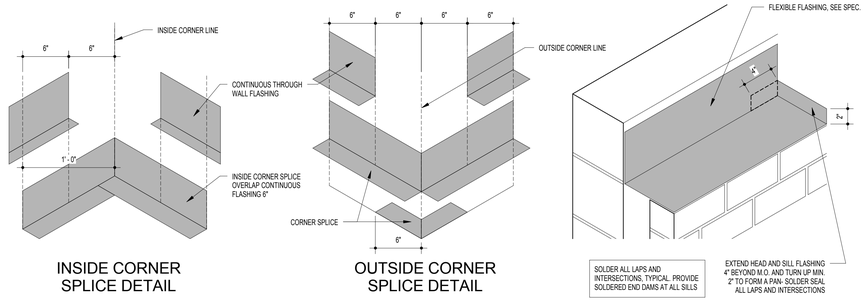
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## K18 ROLLING COUNTER SHUTTER JAMB
1 1/2" = 1'-0"



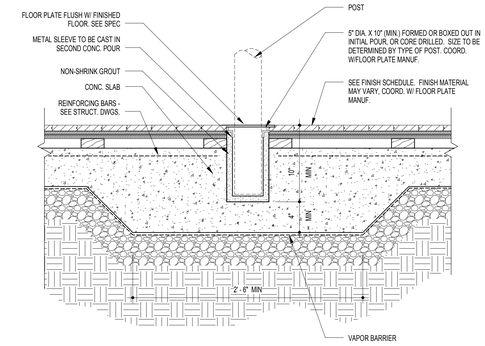

## H18 EXPANSION JOINT COVER @ WALL
3" = 1'-0"




INSIDE CORNER SPLICE DETAIL

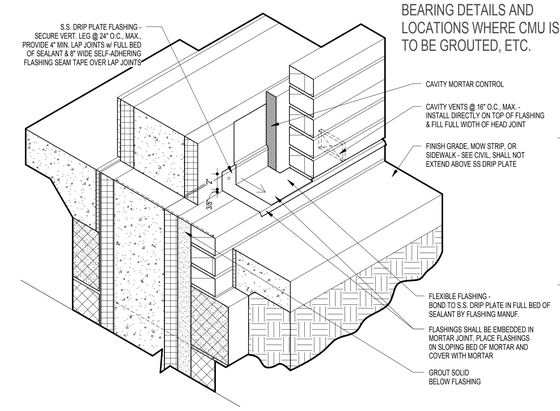
OUTSIDE CORNER SPLICE DETAIL

## K13 FLASHING DETAILS
1 1/2" = 1'-0"




## K5 FLOOR SLEEVE DETAIL
1 1/2" = 1'-0"

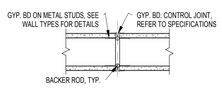
REVIEW THIS DETAIL WITH PROJECT STRUCTURAL ENGINEER AND COORDINATE SLAB BEARING DETAILS AND LOCATIONS WHERE CMU IS TO BE GROUTED, ETC.



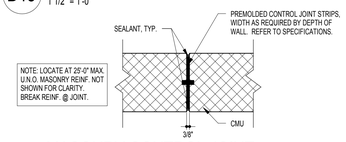

## E4 TYP. BASE OF WALL FLASHING DETAIL
1 1/2" = 1'-0"

## TYPICAL CONTROL JOINT NOTES

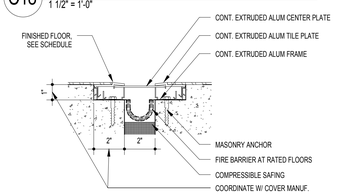
1. BRICK AND CMU CONTROL JOINTS ARE SHOWN ON THE PLANS OR ELEVATIONS. PROVIDE ALL JOINTS SHOWN ON EITHER THE PLANS, ELEVATIONS OR DETAILS. SEE DETAILS ON THIS SHEET FOR TYPICAL DETAILS.
2. INTERIOR MASONRY CONTROL JOINTS MAY NOT BE SHOWN. THEY SHALL BE PROVIDED AND SPACED PER SPECIFICATIONS.
3. GYPSUM BOARD CONTROL JOINTS MAY NOT BE SHOWN. THEY SHALL BE PROVIDED AND SPACED AS RECOMMENDED IN THE GYPSUM BOARD MANUFACTURERS PUBLISHED LITERATURE AND PER ASTM STANDARDS. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS SHOWING THE PROPOSED LOCATION OF THESE TO THE ARCHITECT FOR REVIEW AND APPROVAL. SOME GYPSUM BOARD CONTROL JOINTS ARE SHOWN WHERE SPECIAL AESTHETIC EFFECT IS DESIRED. ADDITIONAL JOINTS SHALL BE PROVIDED IF NEEDED TO COMPLY WITH THE SPECIFICATIONS.



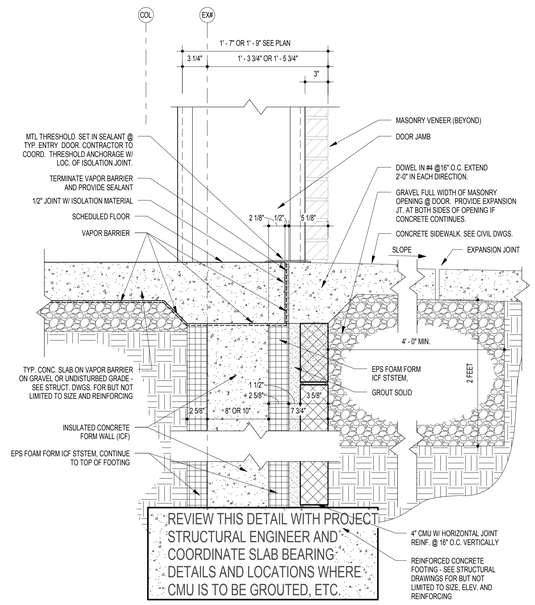

## D18 GYPSUM CONTROL JOINT
1 1/2" = 1'-0"



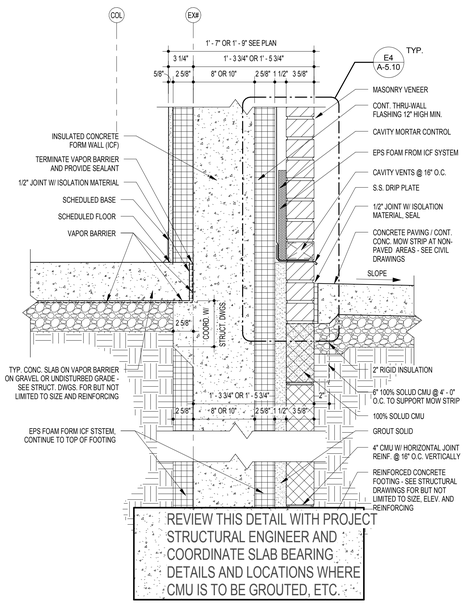

## C18 MASONRY CONTROL JOINT
1 1/2" = 1'-0"




## A18 EXPANSION JOINT COVER AT SLAB
3" = 1'-0"




## A8 TYP. ENTRY FOUNDATION DETAIL W. ICF BACK-UP
1 1/2" = 1'-0"




## A4 TYP. FOUNDATION DETAIL W. ICF BACK-UP
1 1/2" = 1'-0"

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TYPICAL DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

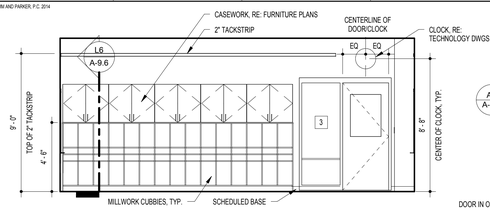
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| | |

**A-5.10**

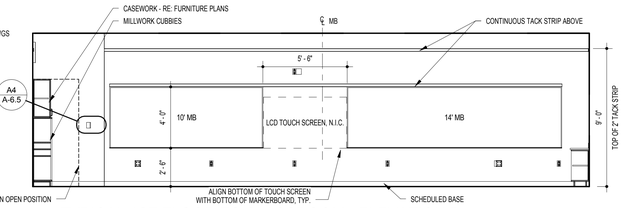
03/13/2017
BID SET

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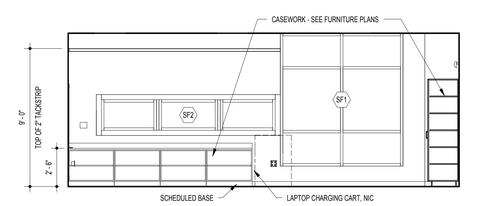
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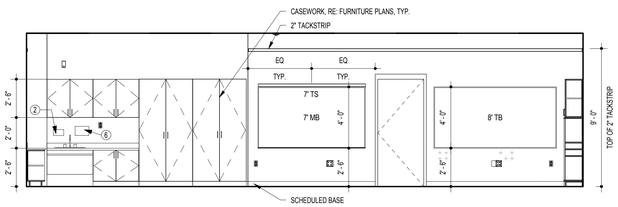

L18 TYPICAL 1ST FLOOR ES CLASSROOM - ELEVATION A
1/4" = 1'-0"



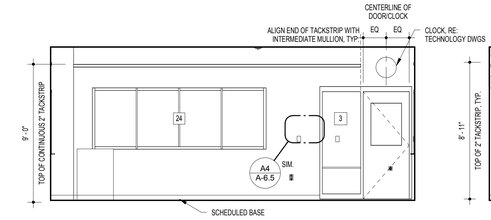

L15 TYPICAL 1ST FLOOR ES CLASSROOM - ELEVATION B
1/4" = 1'-0"



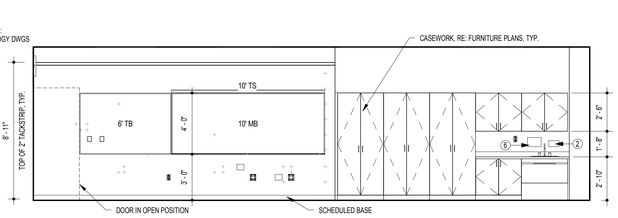

L10 TYPICAL 1ST FLOOR ES CLASSROOM - ELEVATION C
1/4" = 1'-0"



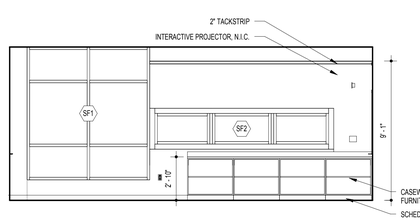

L6 TYPICAL 1ST FLOOR ES CLASSROOM - ELEVATION D
1/4" = 1'-0"



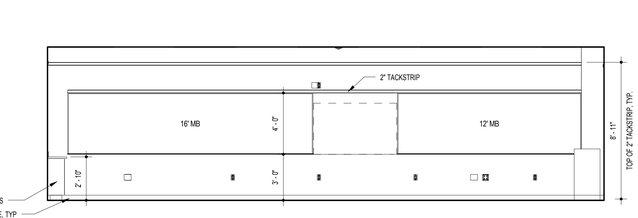

J18 TYPICAL MS CLASSROOM - ELEVATION A
1/4" = 1'-0"



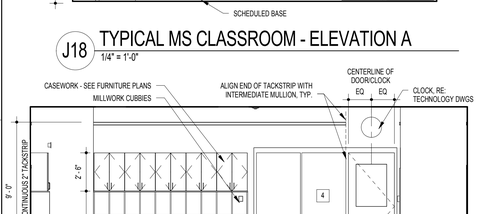

J15 TYPICAL MS CLASSROOM - ELEVATION B
1/4" = 1'-0"



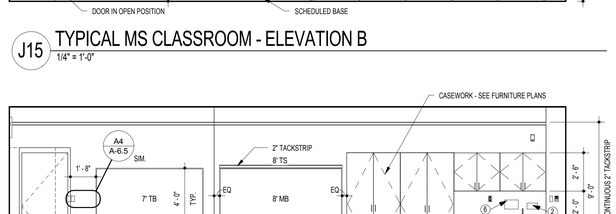

J10 TYPICAL MS CLASSROOM - ELEVATION C
1/4" = 1'-0"



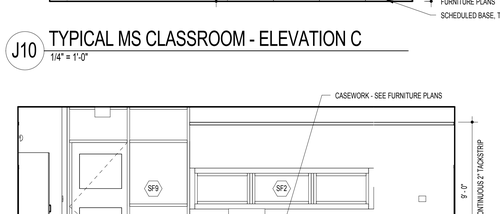

J6 TYPICAL MS CLASSROOM - ELEVATION D
1/4" = 1'-0"



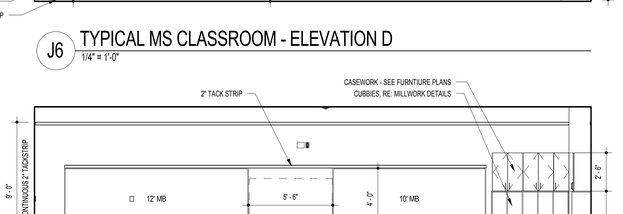

G18 TYPICAL PK/K CLASSROOM - ELEVATION A
1/4" = 1'-0"



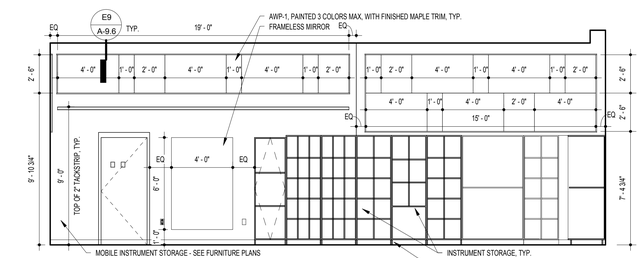

G15 TYPICAL PK-K CLASSROOM - ELEVATION B
1/4" = 1'-0"



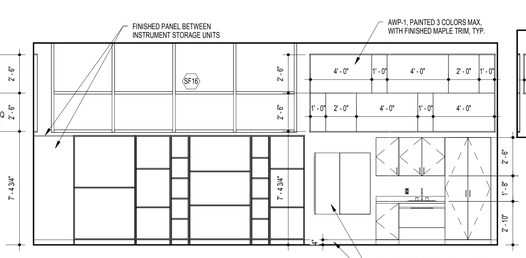

G10 TYPICAL PK/K CLASSROOM - ELEVATION C
1/4" = 1'-0"



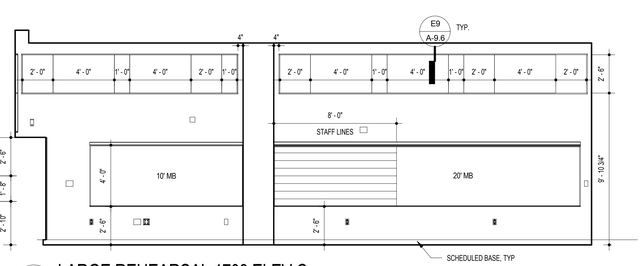

G6 TYPICAL PK/K CLASSROOM - ELEVATION D
1/4" = 1'-0"



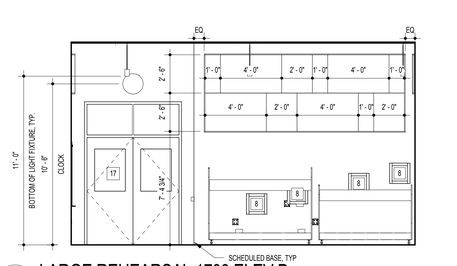

E18 LARGE REHEARSAL 1703 ELEV A
1/4" = 1'-0"



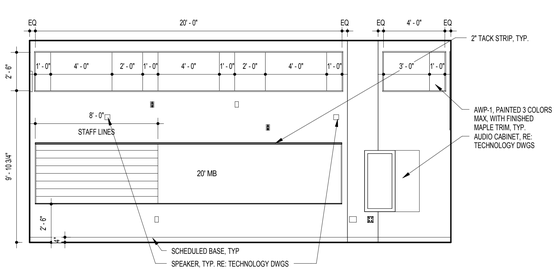

E13 LARGE REHEARSAL 1703 ELEV B
1/4" = 1'-0"



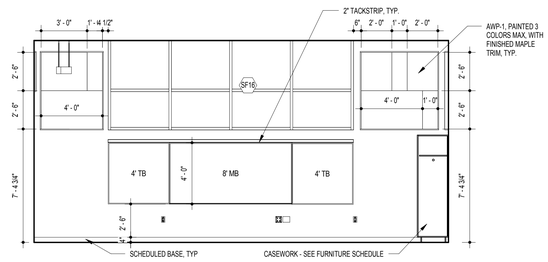

E10 LARGE REHEARSAL 1703 ELEV C
1/4" = 1'-0"



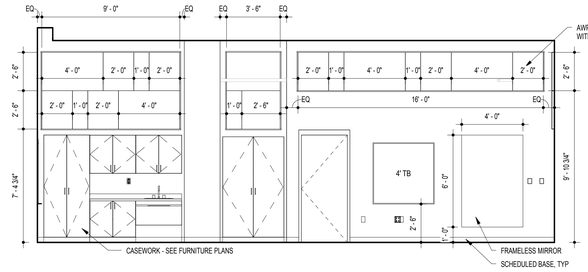

E4 LARGE REHEARSAL 1703 ELEV D
1/4" = 1'-0"



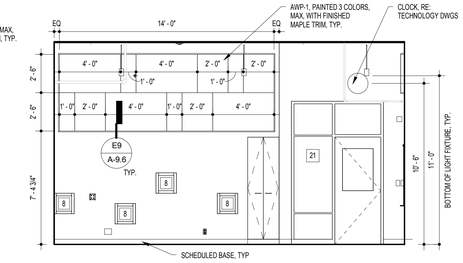

C18 SMALL REHEARSAL 1705 ELEV A
1/4" = 1'-0"



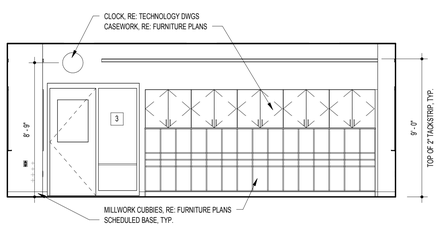

C14 SMALL REHEARSAL 1705 ELEV B
1/4" = 1'-0"



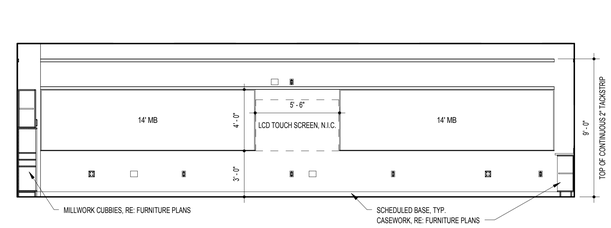

C10 SMALL REHEARSAL 1705 ELEV C
1/4" = 1'-0"



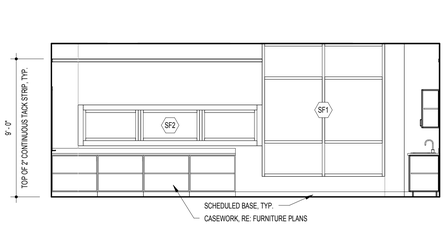

C4 SMALL REHEARSAL 1705 ELEV D
1/4" = 1'-0"



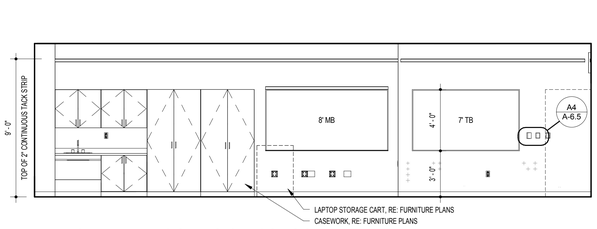

A18 TYPICAL 2ND FLOOR ES CLASSROOM - ELEV A
1/4" = 1'-0"




A14 TYPICAL 2ND FLOOR ES CLASSROOM - ELEVATION B
1/4" = 1'-0"




A9 TYPICAL 2ND FLOOR ES CLASSROM - ELEV C
1/4" = 1'-0"




3 TYPICAL 2ND FLOOR ES CLASSROOM - ELEV D
1/4" = 1'-0"

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INTERIOR ELEVATIONS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

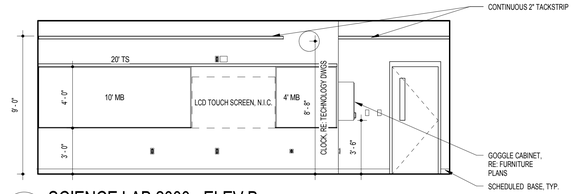
| DATE | DESCRIPTION |
|---|---|

**A-6.1**

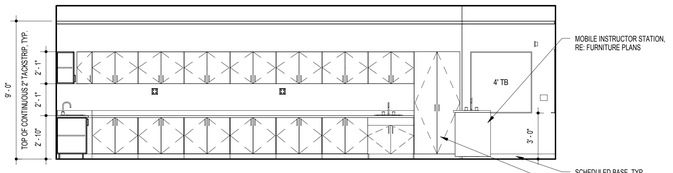
03/13/2017
BID SET

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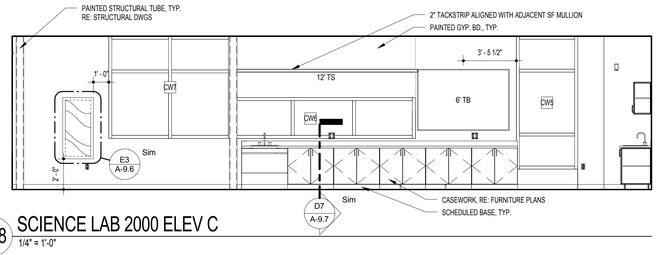
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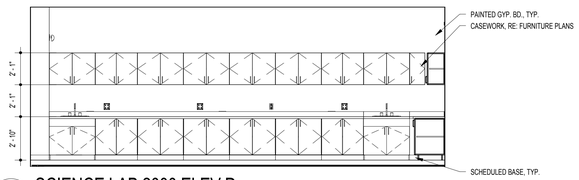

L18 SCIENCE LAB 2000 - ELEV B
1/4" = 1'-0"



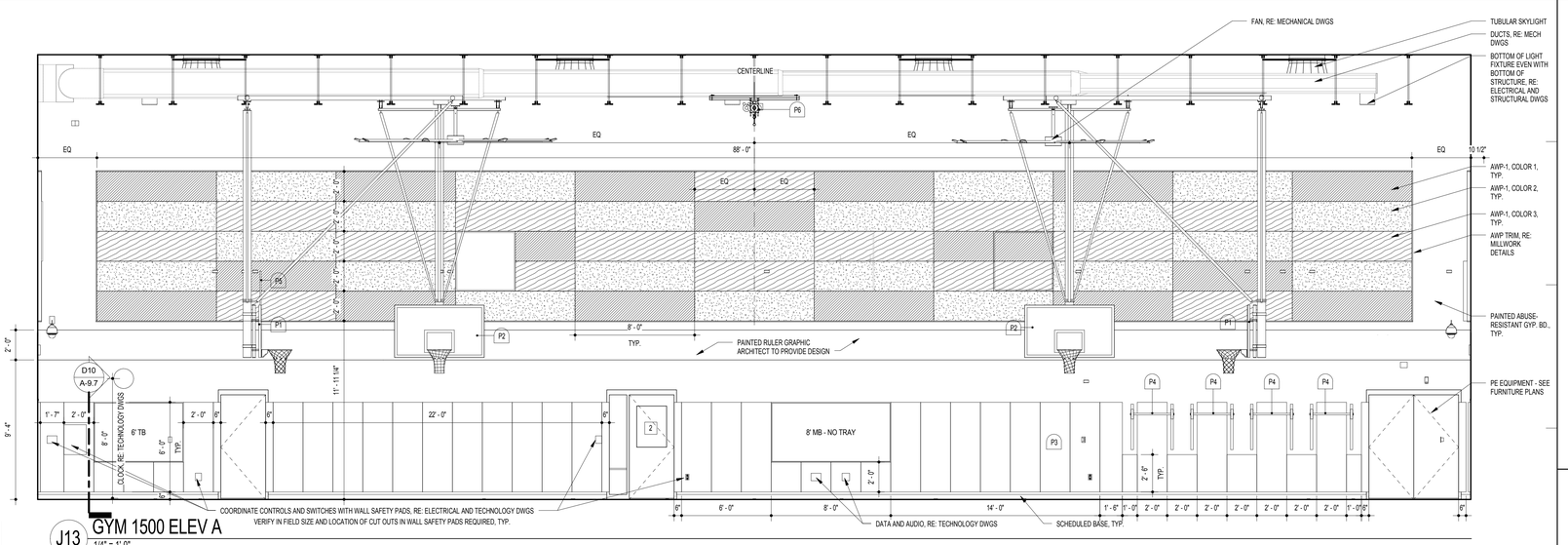

J18 SCIENCE LAB 2000 ELEV A
1/4" = 1'-0"



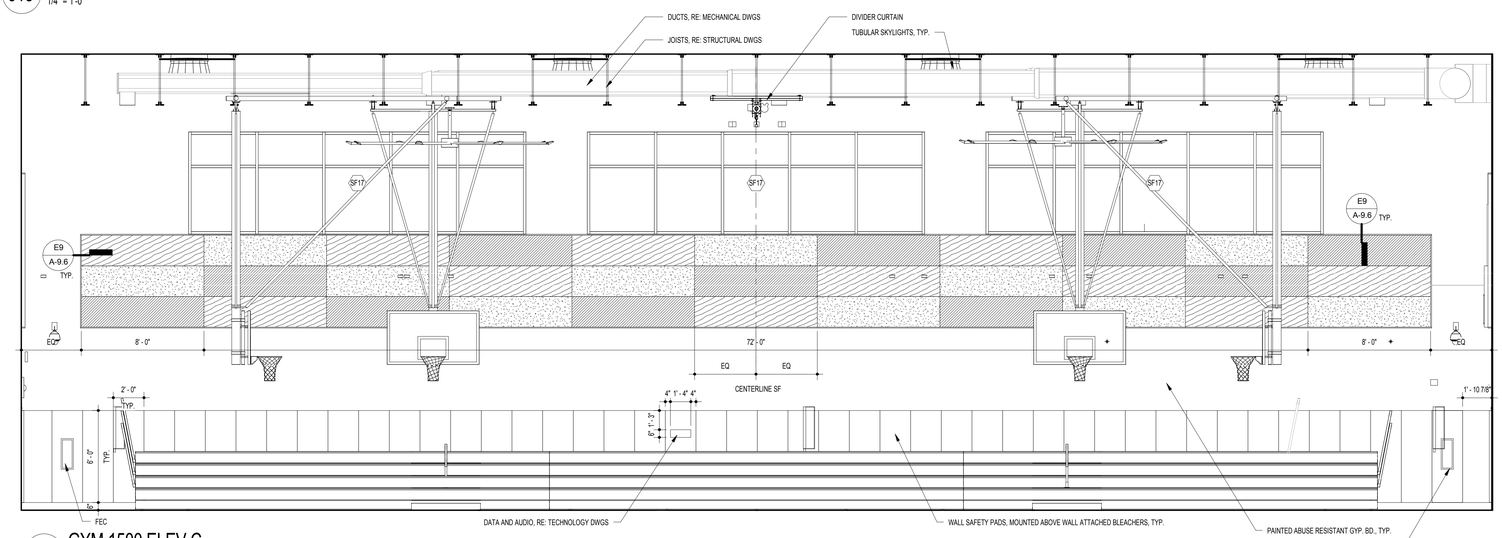

H18 SCIENCE LAB 2000 ELEV C
1/4" = 1'-0"



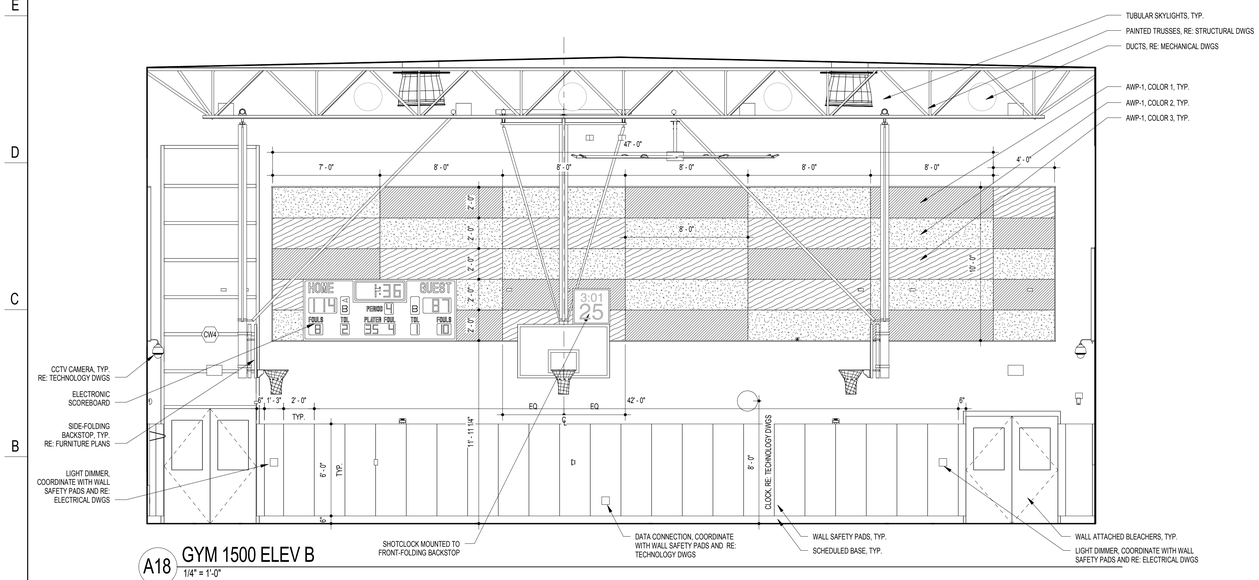

F18 SCIENCE LAB 2000 ELEV D
1/4" = 1'-0"



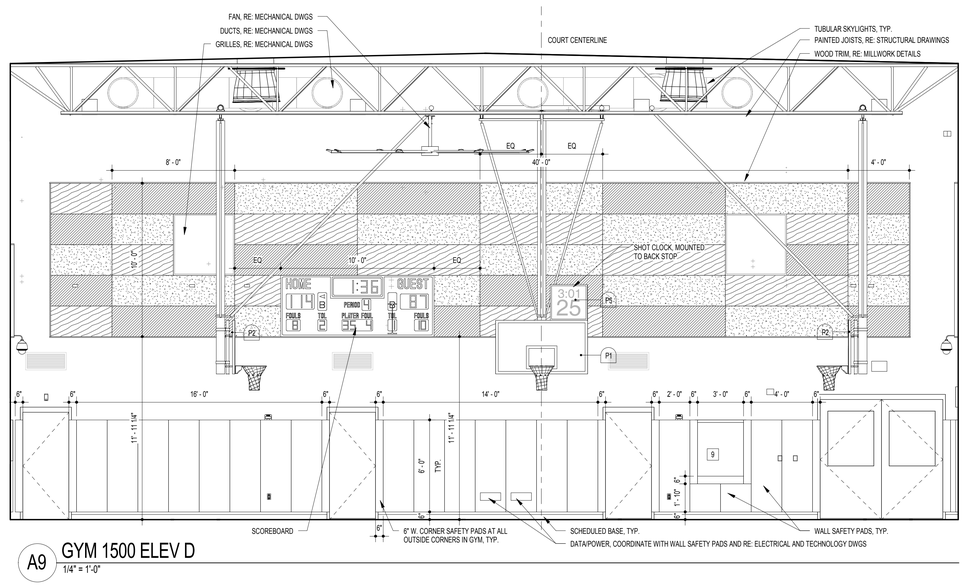

J13 GYM 1500 ELEV A
1/4" = 1'-0"




E13 GYM 1500 ELEV C
1/4" = 1'-0"




A18 GYM 1500 ELEV B
1/4" = 1'-0"




A9 GYM 1500 ELEV D
1/4" = 1'-0"

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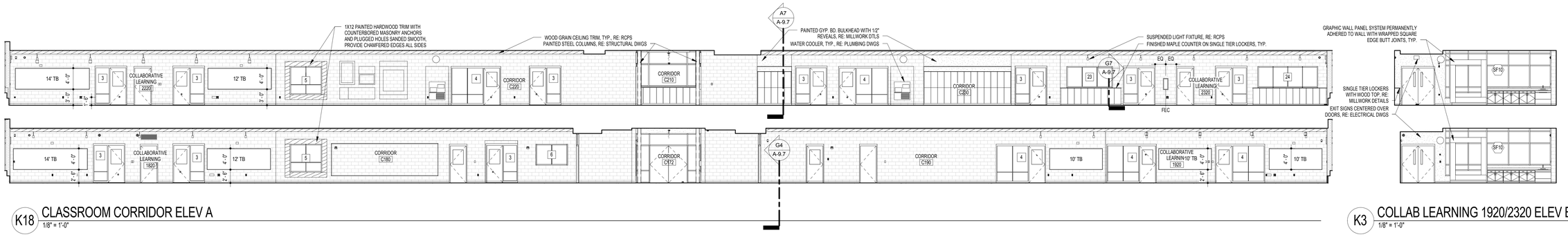
INTERIOR ELEVATIONS
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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|---|---|

**A-6.2**
03/13/2017
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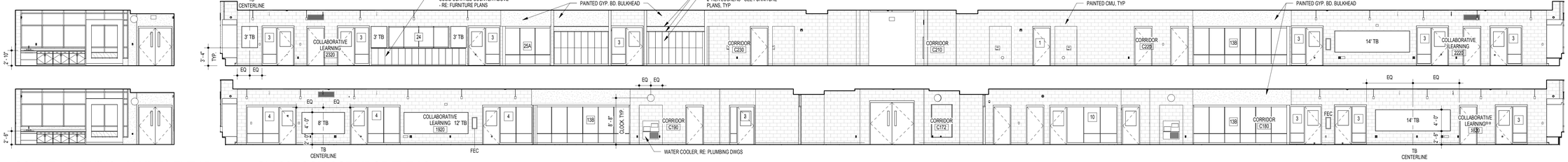
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## K18 CLASSROOM CORRIDOR ELEV A
1/8" = 1'-0"

## K3 COLLAB LEARNING 1920/2320 ELEV B
1/8" = 1'-0"

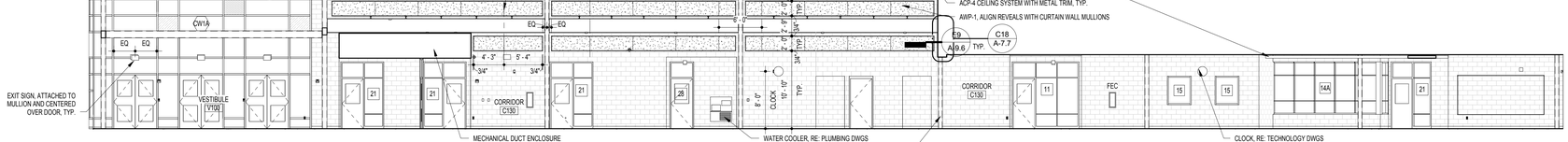



## H18 COLLAB LEARNING 1820/2220 ELEV D
1/8" = 1'-0"

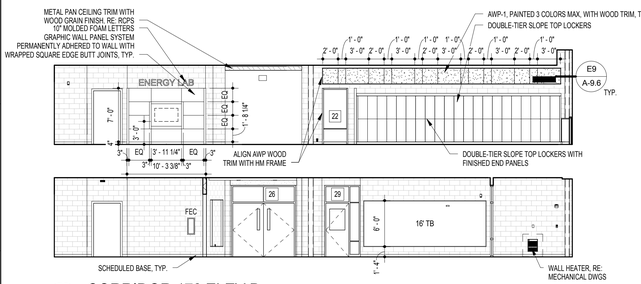
## H16 CLASSROOM CORRIDOR ELEV C
1/8" = 1'-0"



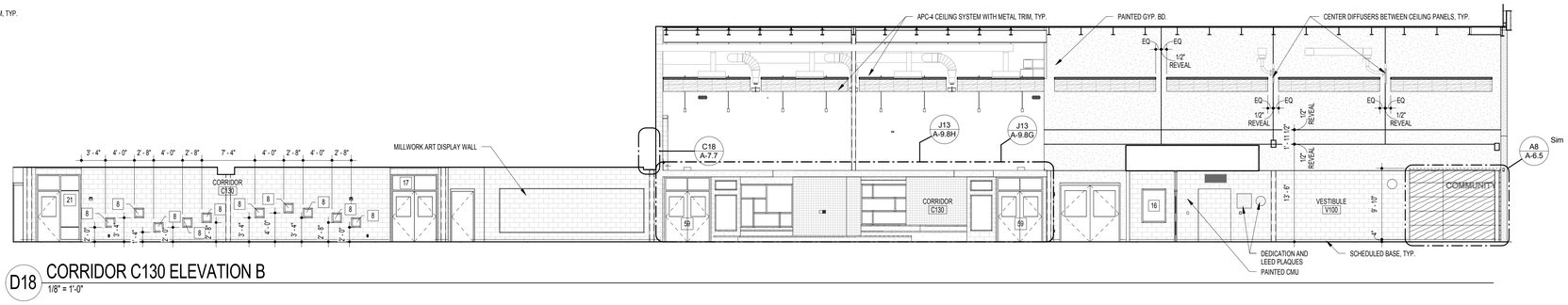

## L3 CORRIDOR 172 ELEV B
1/8" = 1'-0"




## F18 CORRIDOR C130 ELEVATION D
1/8" = 1'-0"




## J3 CORRIDOR 172 ELEV D
1/8" = 1'-0"




## D18 CORRIDOR C130 ELEVATION B
1/8" = 1'-0"

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INTERIOR ELEVATIONS

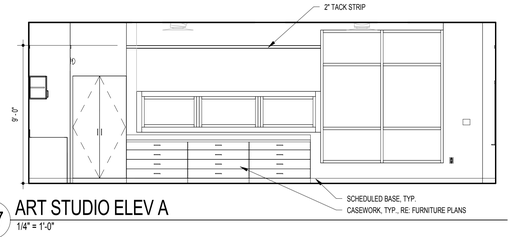
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

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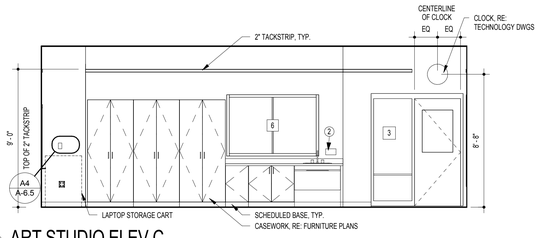
**A-6.3**
03/13/2017
BID SET

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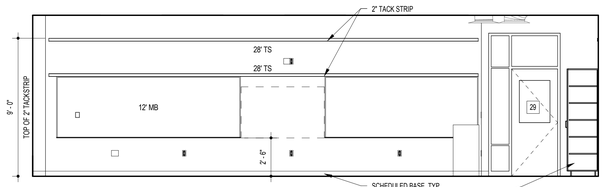
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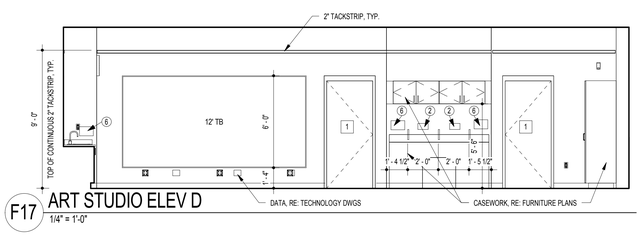

L17 ART STUDIO ELEV A
1/4" = 1'-0"



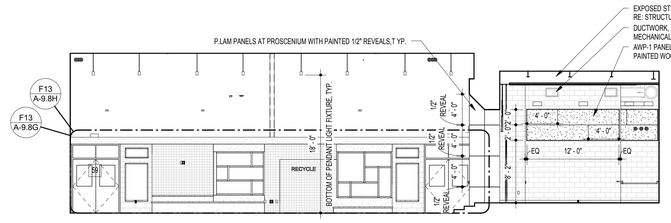

J17 ART STUDIO ELEV C
1/4" = 1'-0"



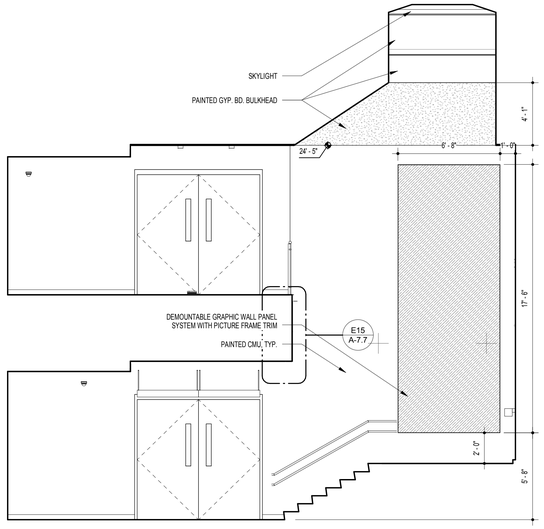

G17 ART STUDIO ELEV B
1/4" = 1'-0"



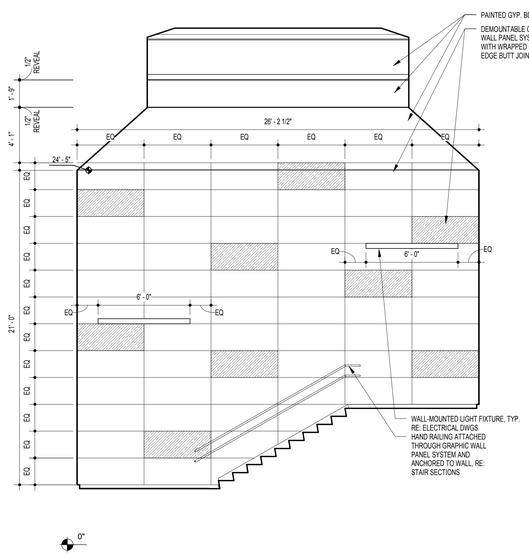

F17 ART STUDIO ELEV D
1/4" = 1'-0"


P.LAM PANELS AT PROSCENIUM WITH PAINTED 1/2" REVEALS,T YP.
EXPOSED STRUCTURE, PAINTED, RE: STRUCTURAL DWGS
DUCTWORK, RE: MECHANICAL DWGS
AWP-1 PANELS WITH PAINTED WOOD TRIM, TYP.
F13
A-9.8H
F13
A-9.8G
RECYCLE
BOTTOM OF PENDANT LIGHT FIXTURE, TYP.
1/2" REVEAL
4' - 0"
4' - 0"
1/2" REVEAL

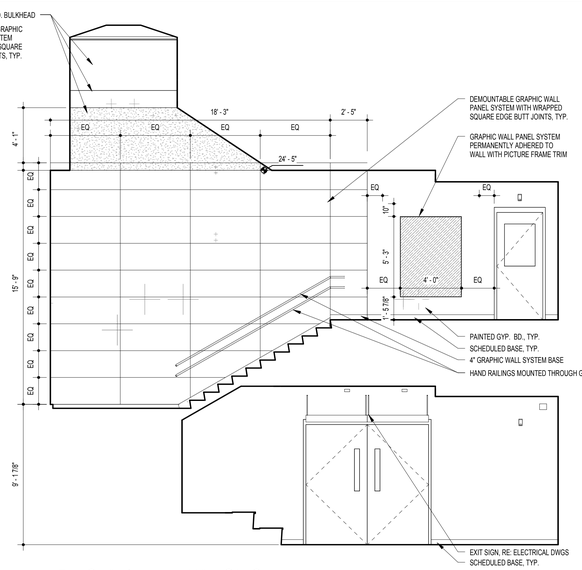
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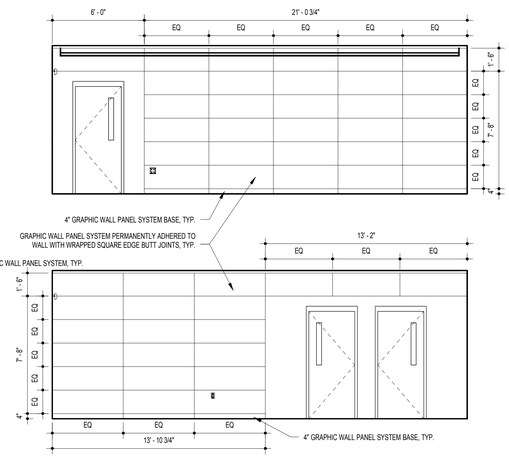

J18 STAIR 1 - ELEVATION A
1/4" = 1'-0"



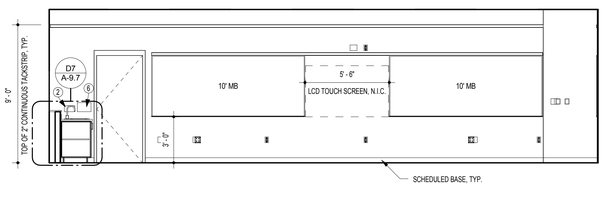

J13 STAIR 1 - ELEVATION B
1/4" = 1'-0"



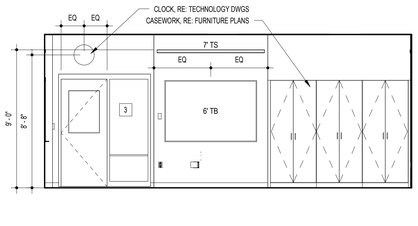

J9 STAIR 1 - ELEVATION C
1/4" = 1'-0"



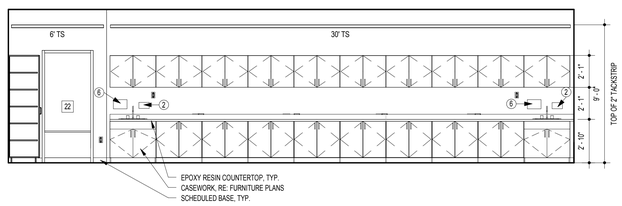

J5 STAIR 1 - ELEVATION D
1/4" = 1'-0"



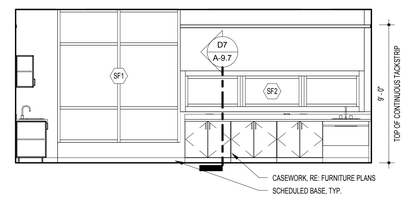

G18 FLEX 2300 - ELEV B
1/4" = 1'-0"



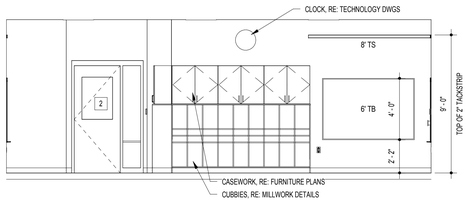

G13 FLEX 2300 - ELEV C
1/4" = 1'-0"



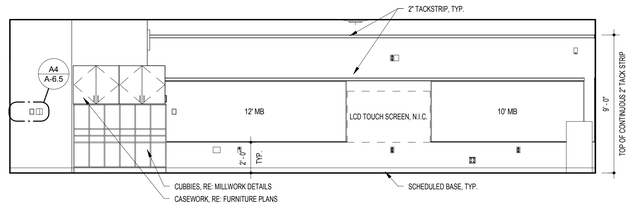

G9 FLEX 2300 - ELEV D
1/4" = 1'-0"



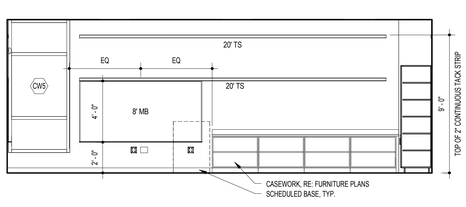

G5 FLEX 2300 - ELEV A
1/4" = 1'-0"



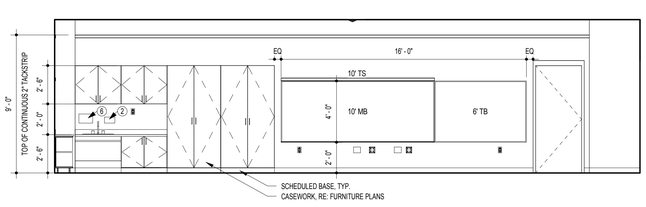

E18 PK-2 SPECIAL ED - ELEV A
1/4" = 1'-0"



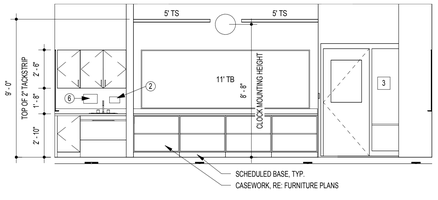

E15 PK-2 SPECIAL ED - ELEV B
1/4" = 1'-0"



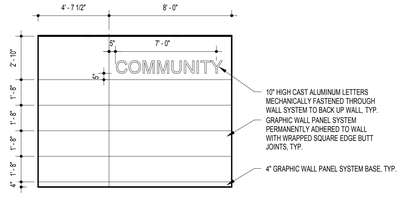

E9 PK-2 SPECIAL ED - ELEV C
1/4" = 1'-0"



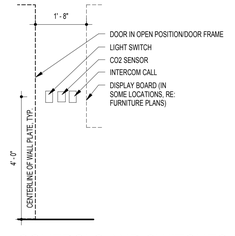

E6 PK-2 SPECIAL ED - ELEV D
1/4" = 1'-0"




C18 6-8 SPECIAL ED - ELEV A
1/4" = 1'-0"




A8 COMMUNITY - WALL PANEL ELEVATION ADD ALT. NO. 5
1/4" = 1'-0"




A4 CONTROLS AND SWITCHES ELEVATION
1/2" = 1'-0"

N

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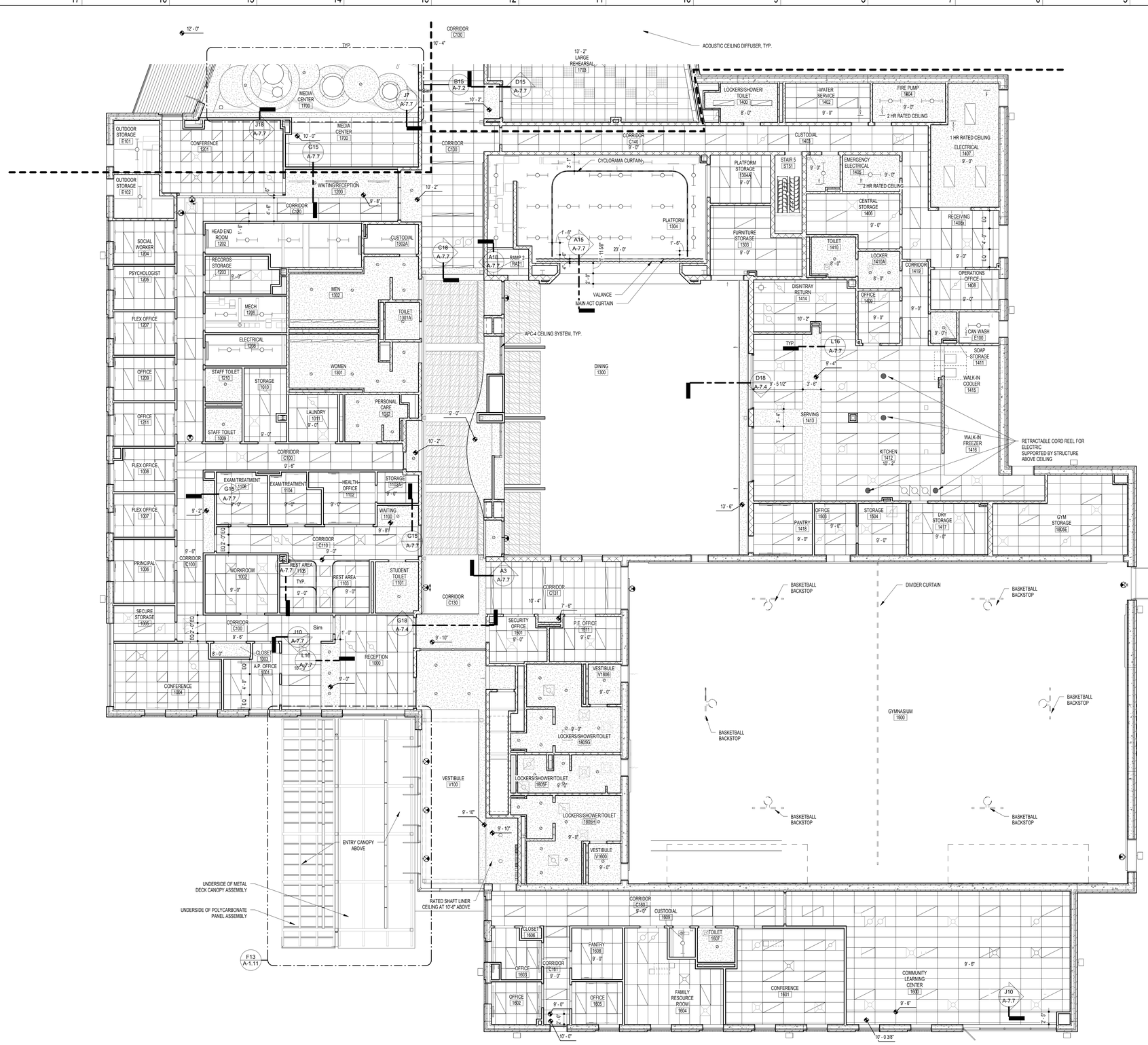
INTERIOR ELEVATIONS
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**A-6.5**
03/13/2017
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## RCP NOTES

(APPLY TO SHEETS A-7.1 - A-7.6)

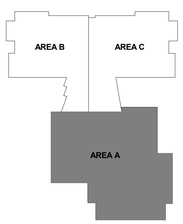
GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

1. **TYPICAL CEILING HEIGHT SHALL BE 10'-0" UNLESS OTHERWISE INDICATED ON REFLECTED CEILING PLANS. TOILETS TO BE 8'-0".**
2. REFER TO ELECTRICAL DRAWINGS FOR LIGHT PATTERN AND EXIT LIGHT LOCATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO SHOP DRAWINGS.
3. ALL WALLS SHOWN EXTEND TO THE STRUCTURAL DECK (SEE WALL TYPES) UNLESS NOTED OTHERWISE IN ARCHITECTURAL PLANS. AT CORRIDOR CHASE WALLS AND LOCKER FIN WALLS, EXTENDED 4" ABOVE THE CEILING.
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ITEMS NOT SHOWN ON CEILING PLAN. GRILLES, SPEAKERS, SPRINKLERS, HEAT & SMOKE DETECTORS. SHALL BE CENTERED IN TILES UNLESS NOTED OTHERWISE.
5. ALL BULKHEAD DIMENSIONS ARE FROM FINISH FACE OF WALL OR BULKHEAD TO FINISH FACE OF BULKHEAD.
6. PROVIDE 1/2" REVEALS BETWEEN DISSIMILAR MATERIALS ON THE SAME PLANE AT THE CEILINGS.
7. IN AREAS OF EXPOSED CEILINGS, PAINT EXPOSED STRUCTURE. UNDERSIDE OF DECK, SPRINKLER PIPING, CONDUIT AND ALL MISCELLANEOUS OVERHEAD ITEMS, COLORS TO BE SELECTED BY ARCHITECT.

## CEILING LEGEND

- RECESSED DOWNLIGHT - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- RECESSED LINEAR LIGHT FIXTURE - SEE ELEC
- PENDANT LINEAR LIGHT FIXTURE - SEE ELEC
- 2'X4' LIGHT FIXTURE - SEE ELEC
- PENDANT LIGHTING - SEE ELEC
- GYPSUM BOARD CEILING, SOFFIT, OR BULKHEAD (GYP)
- ACOUSTICAL METAL PAN CEILING (APC-4)
- 2X2 SUSPENDED ACOUSTICAL PANEL CEILING (APC-3)
- 2X4 SUSPENDED ACOUSTICAL PANEL CEILING (APC, APC-2), OR FIBERGLASS-REINFORCED PANEL CEILING (FRP)
- 2X2 ACOUSTIC CEILING DIFFUSER
- SUPPLY DIFFUSER, REGISTER, OR GRILL - SEE MECH
- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

A13 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"

N

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PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA A
GP# 21553
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

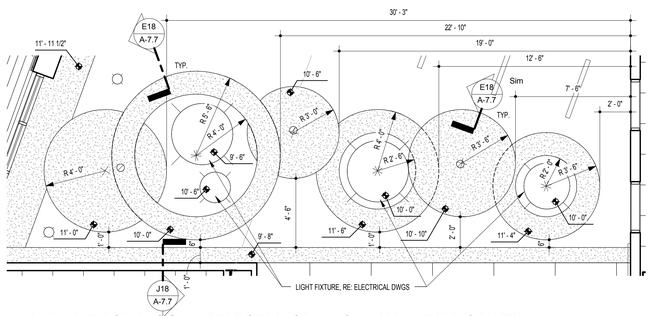
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**A-7.1**
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B15 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - MEDIA CENTER
1/4" = 1'-0"

A15 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

## RCP NOTES

(APPLY TO SHEETS A-7.1 - A-7.6)

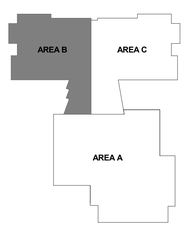
GENERAL NOTE APPLICABLE TO ALL DRAWINGS - ITEMS AND CONDITIONS DETAILED NOTED OR OTHERWISE IDENTIFIED ON ONE OF THE SECTIONS OR DETAILS ARE APPLICABLE AND BINDING TO ALL OTHER SECTIONS AND DETAILS FOR IDENTICAL OR SIMILAR CONDITIONS.

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## CEILING LEGEND

- RECESSED DOWNLIGHT - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- RECESSED LINEAR LIGHT FIXTURE - SEE ELEC
- PENDANT LINEAR LIGHT FIXTURE - SEE ELEC
- 2'X4' LIGHT FIXTURE - SEE ELEC
- PENDANT LIGHTING - SEE ELEC
- GYPSUM BOARD CEILING, SOFFIT, OR BULKHEAD (GYP)
- ACOUSTICAL METAL PAN CEILING (APC-4)
- 2X2 SUSPENDED ACOUSTICAL PANEL CEILING (APC-3)
- 2X4 SUSPENDED ACOUSTICAL PANEL CEILING (APC, APC-2), OR FIBERGLASS-REINFORCED PANEL CEILING (FRP)
- 2X2 ACOUSTIC CEILING DIFFUSER
- SUPPLY DIFFUSER, REGISTER, OR GRILL - SEE MECH
- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




N

GRIMM AND PARKER
11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

GP# 21553

PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

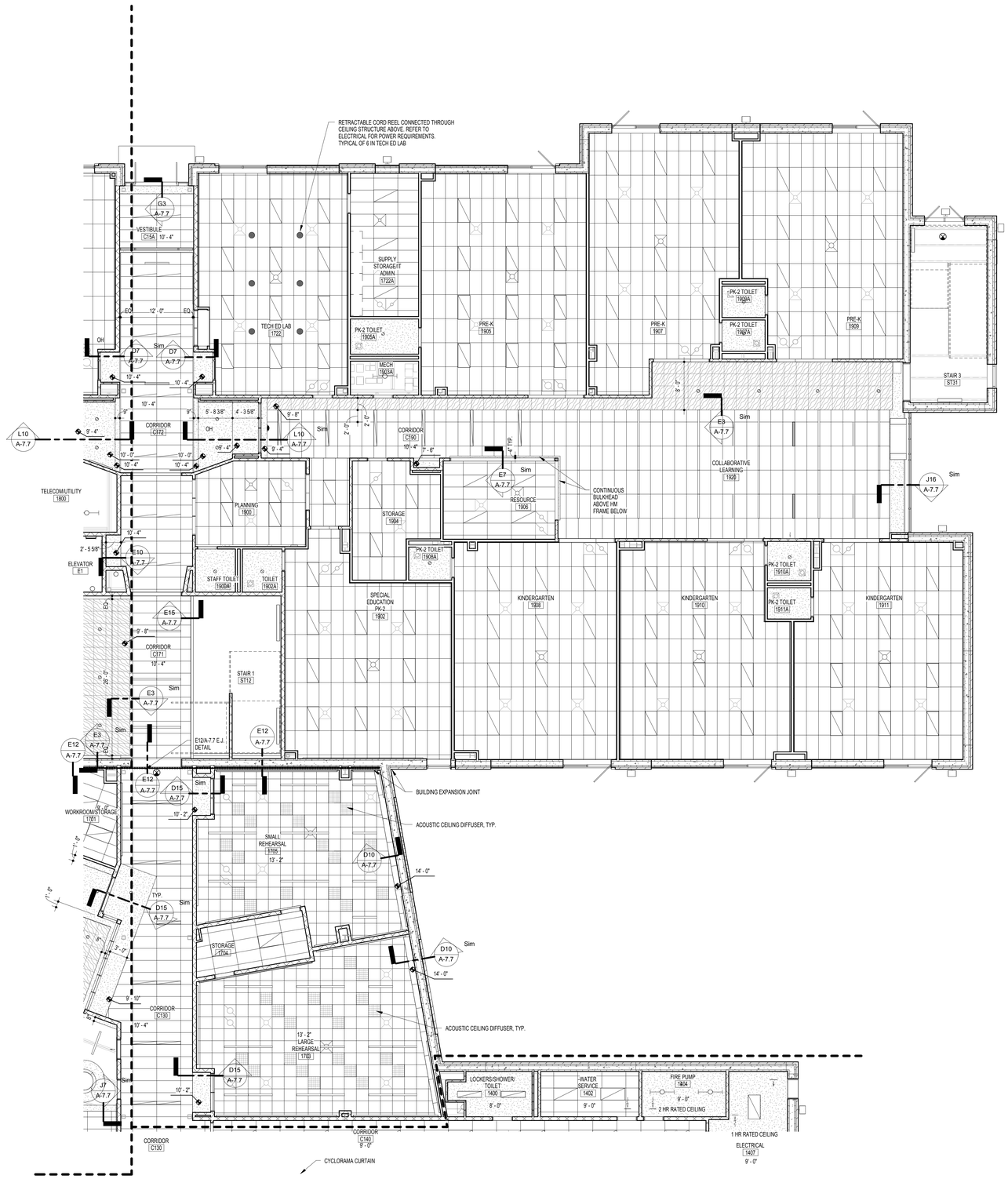
| DATE | DESCRIPTION |
|---|---|

**A-7.2**

03/13/2017
BID SET

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## RCP NOTES

(APPLY TO SHEETS A-7.1 - A-7.6)

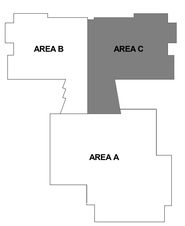
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2. REFER TO ELECTRICAL DRAWINGS FOR LIGHT PATTERN AND EXIT LIGHT LOCATIONS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO SHOP DRAWINGS.
3. ALL WALLS SHOWN EXTEND TO THE STRUCTURAL DECK (SEE WALL TYPES) UNLESS NOTED OTHERWISE IN ARCHITECTURAL PLANS. AT CORRIDOR CHASE WALLS AND LOCKER FIN WALLS, EXTENDED 4" ABOVE THE CEILING.
4. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ITEMS NOT SHOWN ON CEILING PLAN. GRILLES, SPEAKERS, SPRINKLERS, HEAT & SMOKE DETECTORS. SHALL BE CENTERED IN TILES UNLESS NOTED OTHERWISE.
5. ALL BULKHEAD DIMENSIONS ARE FROM FINISH FACE OF WALL OR BULKHEAD TO FINISH FACE OF BULKHEAD.
6. PROVIDE 1/2" REVEALS BETWEEN DISSIMILAR MATERIALS ON THE SAME PLANE AT THE CEILINGS.
7. IN AREAS OF EXPOSED CEILINGS, PAINT EXPOSED STRUCTURE. UNDERSIDE OF DECK, SPRINKLER PIPING, CONDUIT AND ALL MISCELLANEOUS OVERHEAD ITEMS, COLORS TO BE SELECTED BY ARCHITECT.

## CEILING LEGEND

- RECESSED DOWNLIGHT - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- 1'X4' LIGHT FIXTURE - SEE ELEC
- RECESSED LINEAR LIGHT FIXTURE - SEE ELEC
- PENDANT LINEAR LIGHT FIXTURE - SEE ELEC
- 2'X4' LIGHT FIXTURE - SEE ELEC
- PENDANT LIGHTING - SEE ELEC
- GYPSUM BOARD CEILING, SOFFIT, OR BULKHEAD (GYP)
- ACOUSTICAL METAL PAN CEILING (APC-4)
- 2X2 SUSPENDED ACOUSTICAL PANEL CEILING (APC-3)
- 2X4 SUSPENDED ACOUSTICAL PANEL CEILING (APC, APC-2), OR FIBERGLASS-REINFORCED PANEL CEILING (FRP)
- 2X2 ACOUSTIC CEILING DIFFUSER
- SUPPLY DIFFUSER, REGISTER, OR GRILL - SEE MECH
- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




N

A15 PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA C
1/8" = 1'-0"

Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

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Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

GP# 21553

PARTIAL FIRST FLOOR REFLECTED CEILING PLAN - AREA C

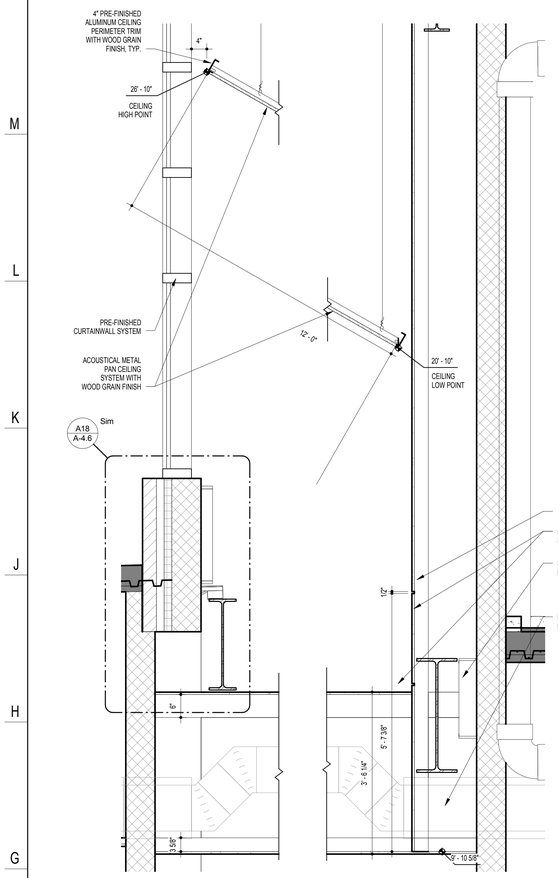
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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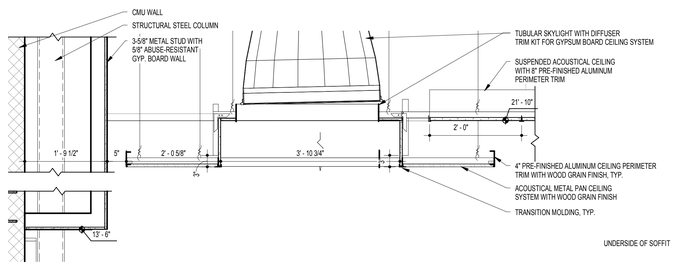
**A-7.3**
03/13/2017
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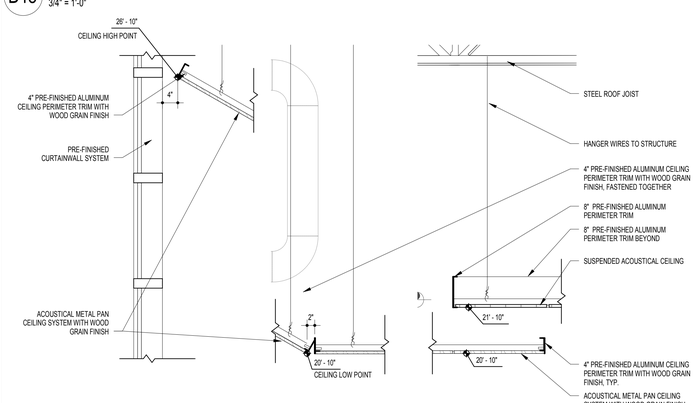
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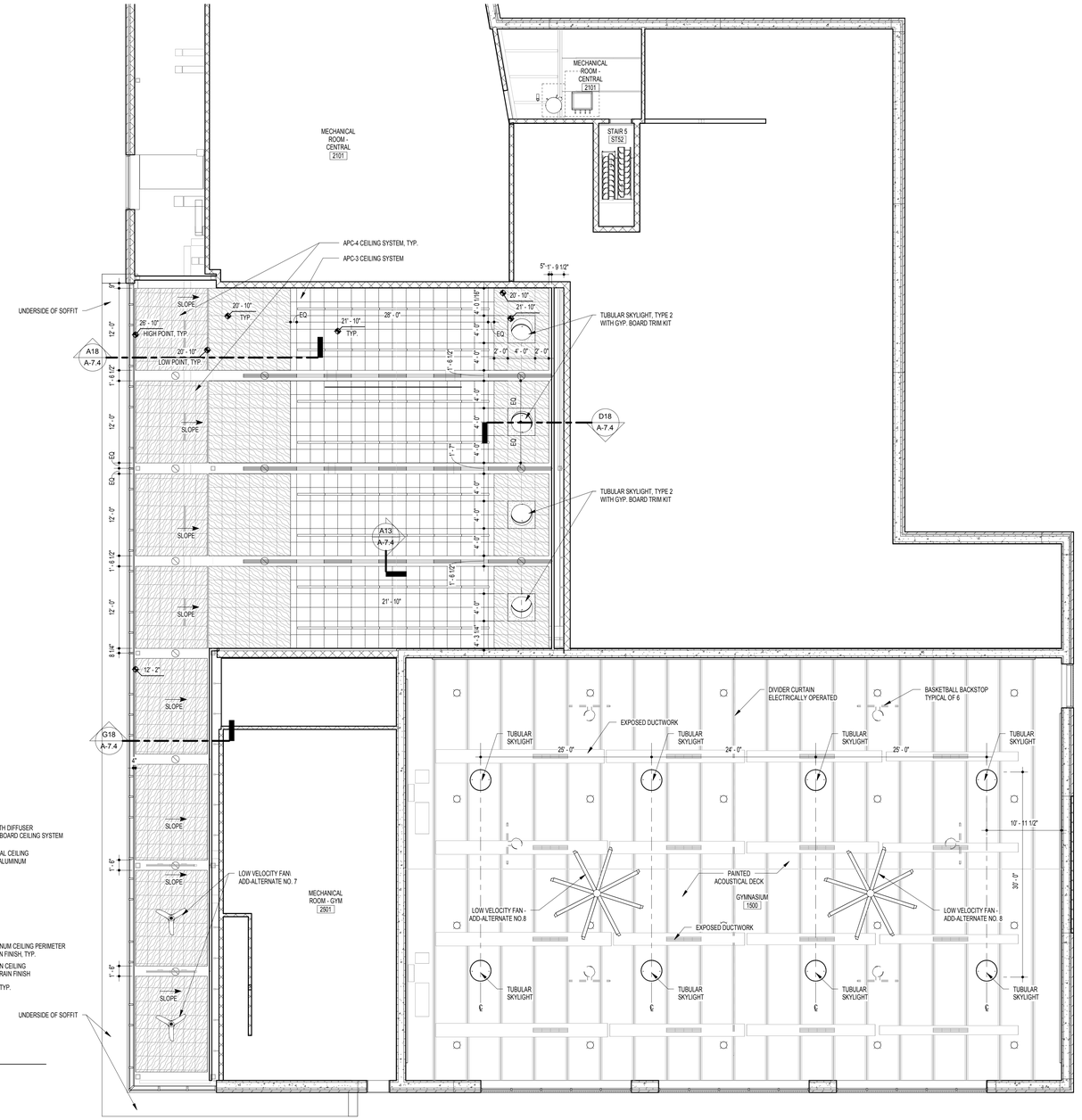

## G18 METAL PAN CEILING - CORRIDOR
3/4" = 1'-0"




## D18 METAL PAN CEILING DETAIL - TUBULAR SKYLIGHT
3/4" = 1'-0"

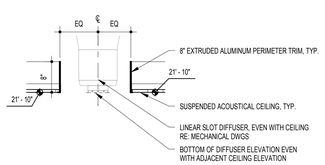



## A18 METAL PAN CEILING DETAIL - CORRIDOR DINING
3/4" = 1'-0"




## A16 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"

Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'




## A13 CEILING DIFFUSER DETAIL - DINING
3/4" = 1'-0"

## RCP NOTES
(APPLY TO SHEETS A-7.1 - A-7.6)

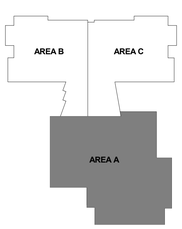
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## CEILING LEGEND

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- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




N

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Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

GP# 21553

PARTIAL SECOND FLR REFLECTED CEILING PLAN - AREA A

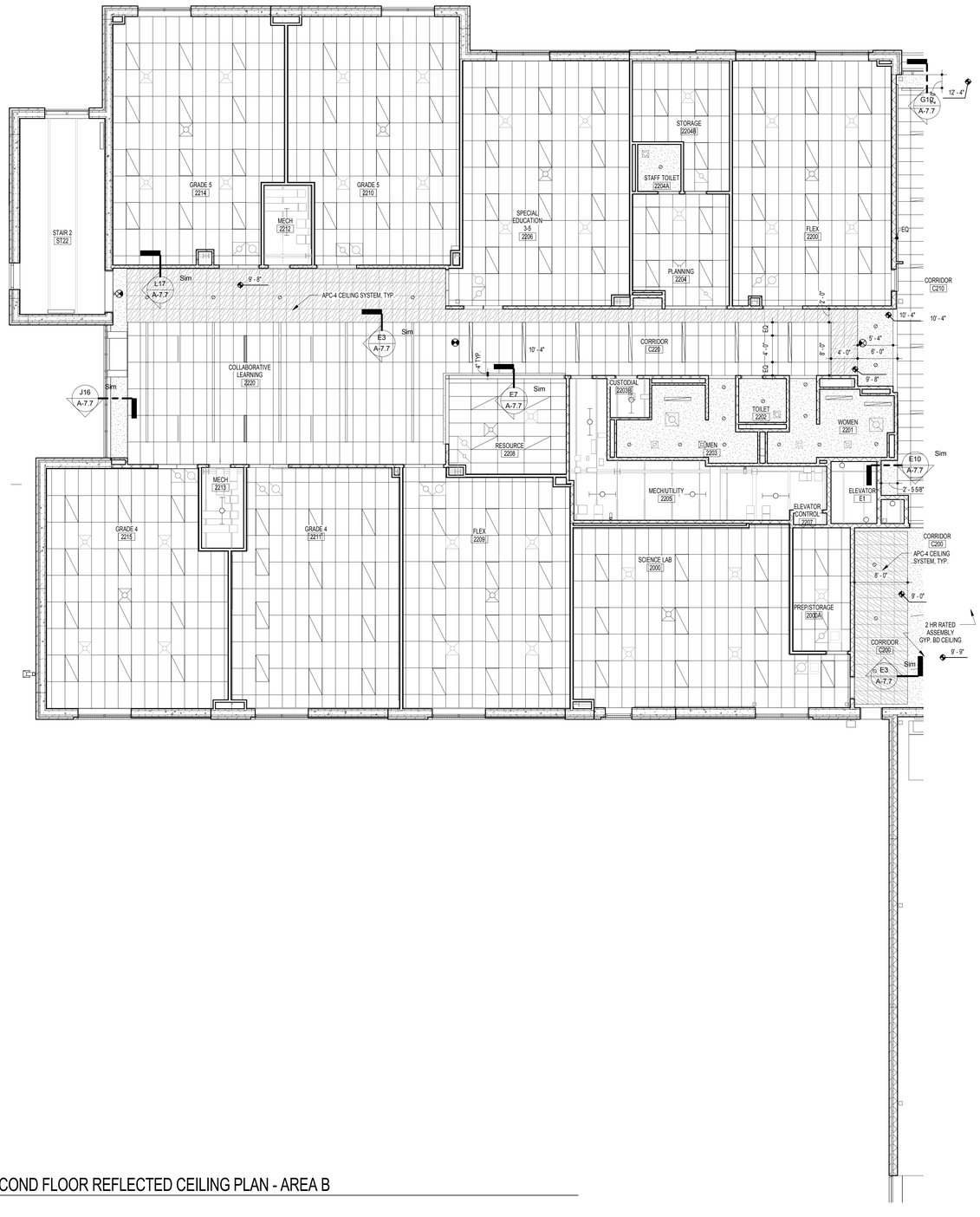
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

**A-7.4**
03/13/2017
BID SET

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## RCP NOTES

(APPLY TO SHEETS A-7.1 - A-7.6)

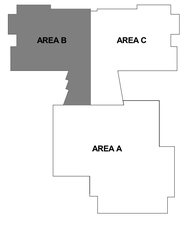
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- SUPPLY DIFFUSER, REGISTER, OR GRILL - SEE MECH
- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




N

A15 PARTIAL SECOND FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

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Tel: 301.595.1000
www.grimmandparker.com

G+P GRIMM AND PARKER

GP# 21553

PARTIAL SECOND FLR REFLECTED CEILING PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

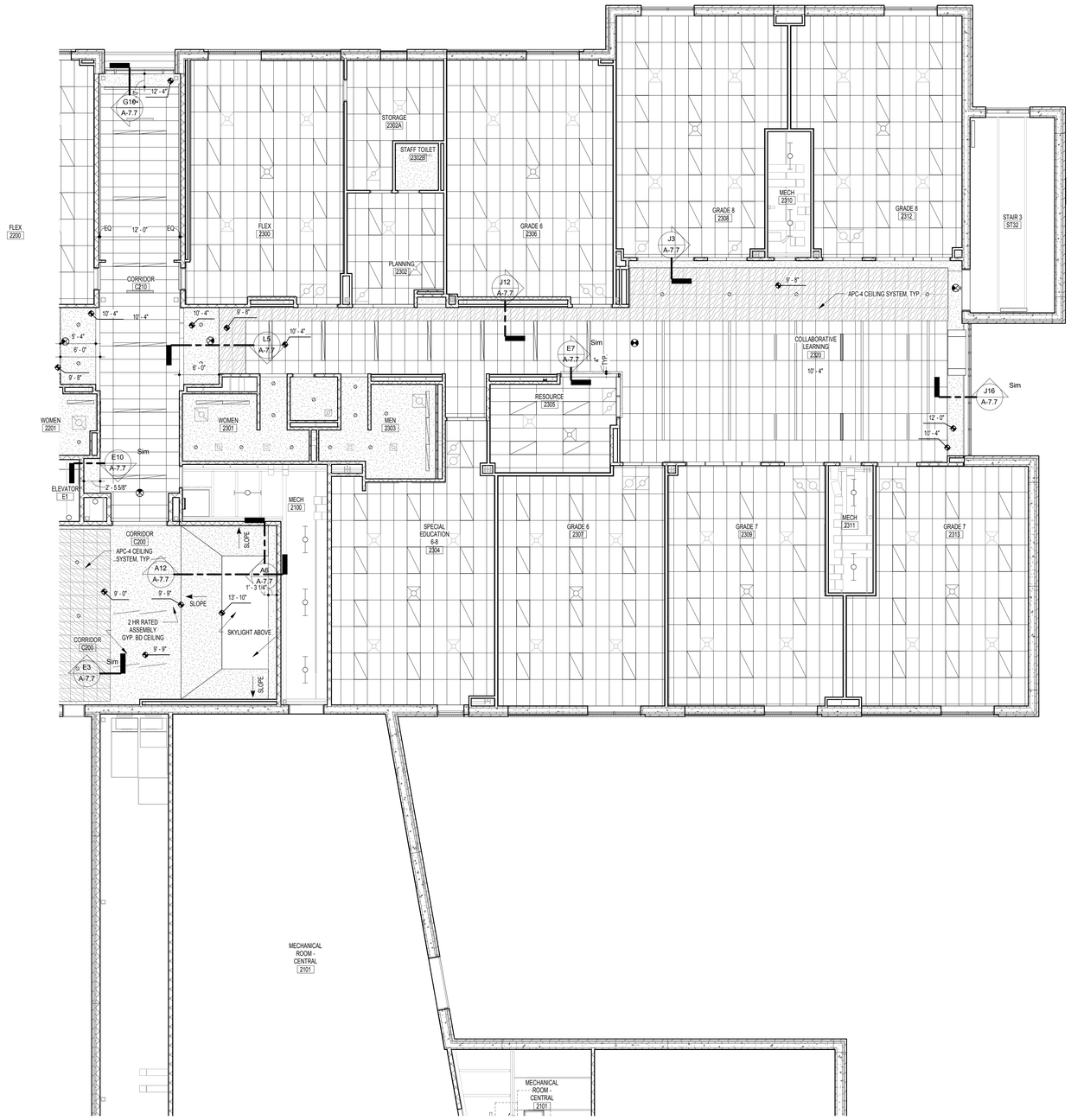
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**A-7.5**

03/13/2017
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## RCP NOTES

(APPLY TO SHEETS A-7.1 - A-7.6)

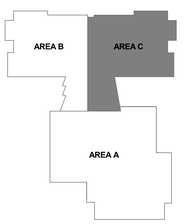
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- PENDANT LINEAR LIGHT FIXTURE - SEE ELEC
- 2'X4' LIGHT FIXTURE - SEE ELEC
- PENDANT LIGHTING - SEE ELEC
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- RETURN DIFFUSER, REGISTER, OR GRILL - SEE MECH
- CEILING MOUNTED SPEAKER - SEE ELEC
- MOTION SENSOR - SEE ELEC

## KEY PLAN




N

A15 02C PARTIAL REFLECTED CEILING PLAN

1/8" = 1'-0"

Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

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GP# 21553

PARTIAL SECOND FLR REFLECTED CEILING PLAN - AREA C

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

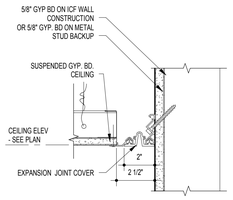
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**A-7.6**

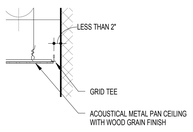
03/13/2017
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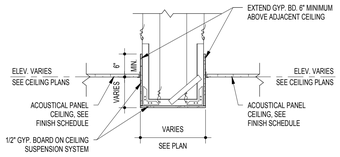
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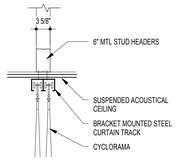

## L18 EXPANSION JOINT AT CEILING
3" = 1'-0"



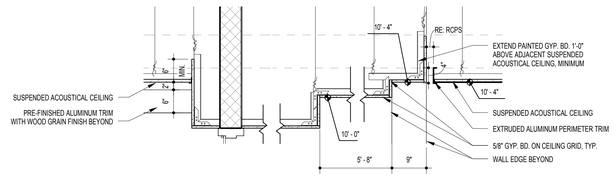

## L17 METAL PAN CEILING DETAIL
3/4" = 1'-0"



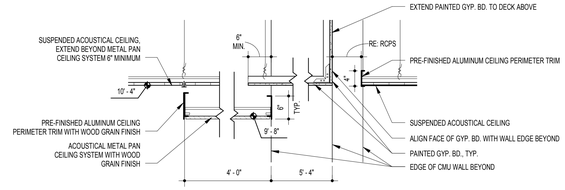

## L16 BULKHEAD DETAIL - TYPICAL
3/4" = 1'-0"



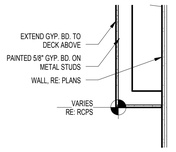

## L12 CYCLORAMA CURTAIN DETAIL
3/4" = 1'-0"



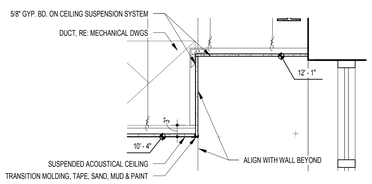

## L10 BULKHEAD DETAIL - 1ST FLOOR CLUSTER ENTRY
3/4" = 1'-0"



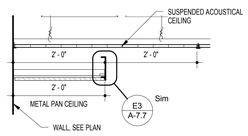

## L5 BULKHEAD DETAIL - 2ND FLOOR CLUSTER ENTRY
3/4" = 1'-0"



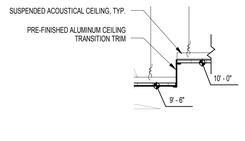

## J18 BULKHEAD DETAIL - WALL
3/4" = 1'-0"



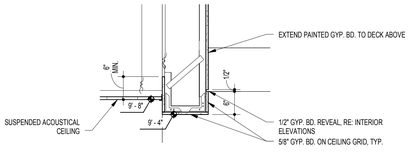

## J16 CEILING TRANSITION DETAIL - COLLAB LEARNING
3/4" = 1'-0"



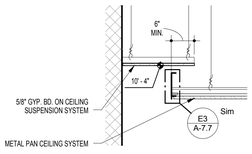

## J12 ACOUSTICAL CEILING DETAIL
3/4" = 1'-0"



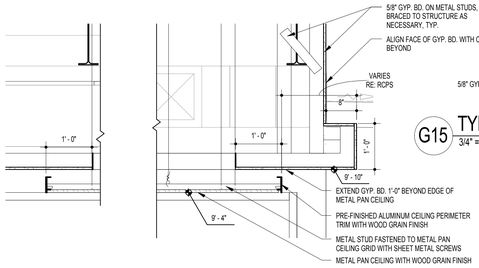

## J10 CEILING TRANSITION DETAIL - 6" TRIM
3/4" = 1'-0"



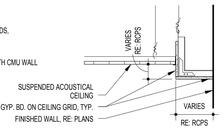

## J7 BULKHEAD DETAIL - MEDIA
3/4" = 1'-0"



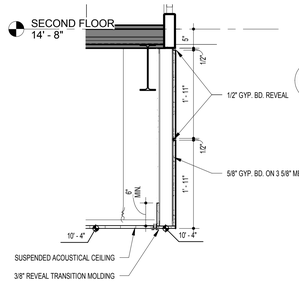

## J3 BULKHEAD DETAIL - LOCKERS
3/4" = 1'-0"



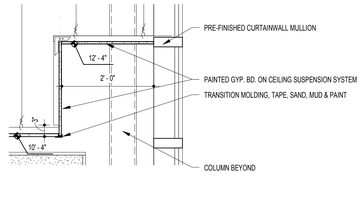

## G18 CEILING TRANSITION DETAIL - MEDIA
3/4" = 1'-0"



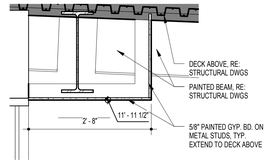

## G15 TYPICAL BULKHEAD/WALL DETAIL
3/4" = 1'-0"



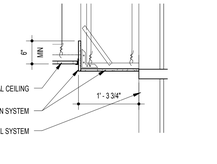

## G12 CEILING PERIMETER TRIM DETAIL
3/4" = 1'-0"



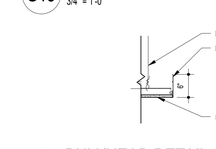

## G10 CEILING TRANSITION DETAIL - CORRIDOR CW
3/4" = 1'-0"



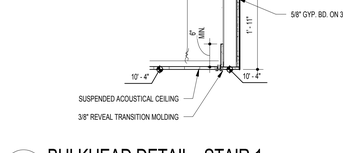

## G7 BULKHEAD DETAIL - CLERESTORY
3/4" = 1'-0"



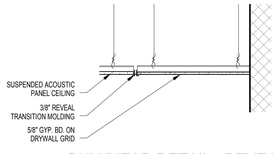

## G3 BULKHEAD DETAIL - VESTIBULE
3/4" = 1'-0"



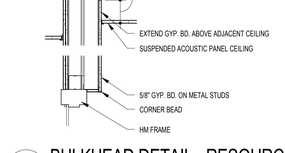

## E18 BULKHEAD DETAIL - 6" RADIUS TRIM
3/4" = 1'-0"



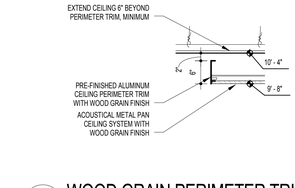

## E15 BULKHEAD DETAIL - STAIR 1
3/4" = 1'-0"



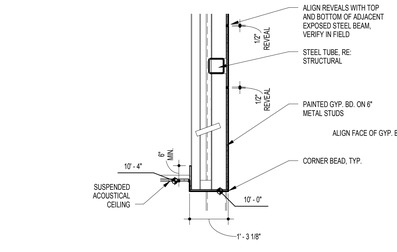

## E12 EXPANSION JOINT AT CEILING
3" = 1'-0"



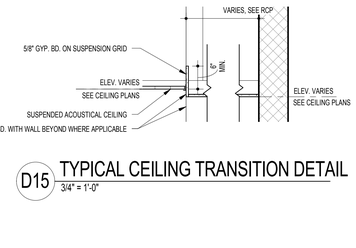

## E10 BULKHEAD DETAIL - RESOURCE
3/4" = 1'-0"



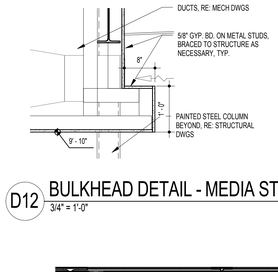

## E3 WOOD GRAIN PERIMETER TRIM
3/4" = 1'-0"



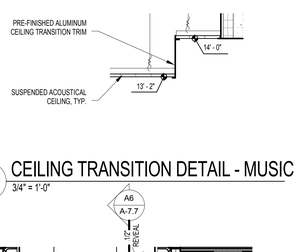

## C18 BULKHEAD DETAIL - CORRIDOR 130
1/2" = 1'-0"



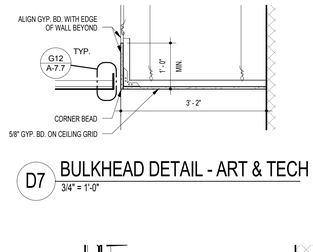

## D15 TYPICAL CEILING TRANSITION DETAIL
3/4" = 1'-0"



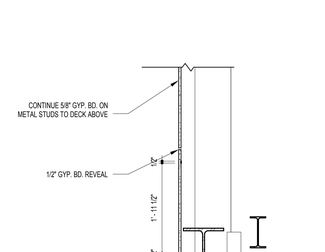

## D12 BULKHEAD DETAIL - MEDIA STORY
3/4" = 1'-0"



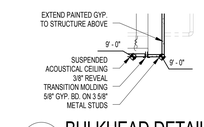

## D10 CEILING TRANSITION DETAIL - MUSIC
3/4" = 1'-0"



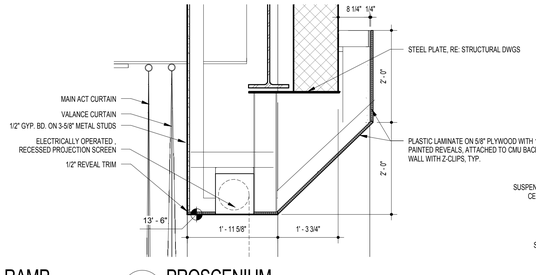

## D7 BULKHEAD DETAIL - ART & TECH
3/4" = 1'-0"



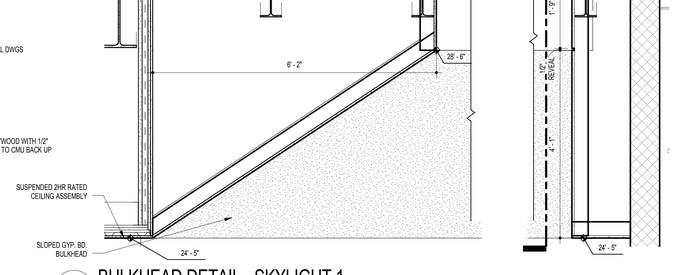

## D3 BULKHEAD DETAIL - GYM CORRIDOR
3/4" = 1'-0"



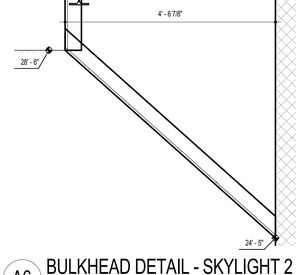

## A18 BULKHEAD DETAIL - RAMP
3/4" = 1'-0"



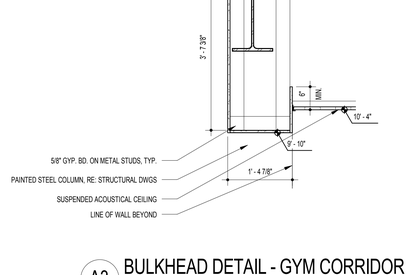

## A15 PROSCENIUM
3/4" = 1'-0"




## A12 BULKHEAD DETAIL - SKYLIGHT 1
3/4" = 1'-0"




## A6 BULKHEAD DETAIL - SKYLIGHT 2
3/4" = 1'-0"




## A3 BULKHEAD DETAIL - GYM CORRIDOR
3/4" = 1'-0"

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Calverton, MD 20705
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GP# 21553

CEILING DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

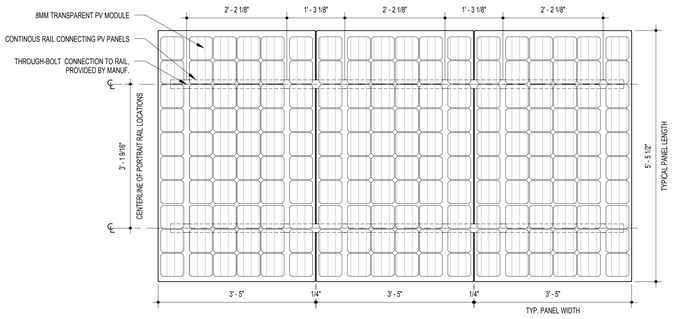
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**A-7.7**

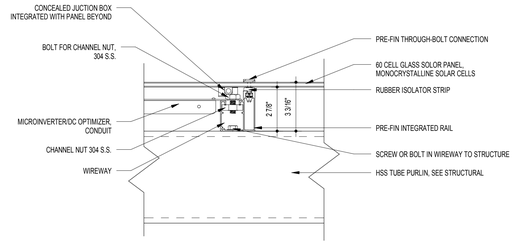
03/13/2017
BID SET

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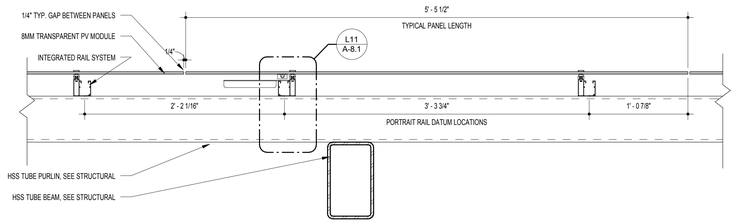
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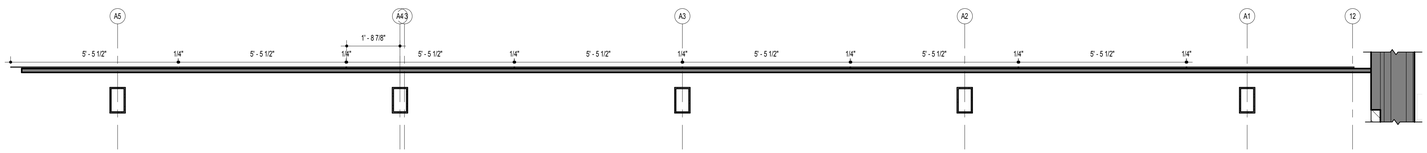

## K15 PV CANOPY PLAN DETAIL
3/4" = 1'-0"



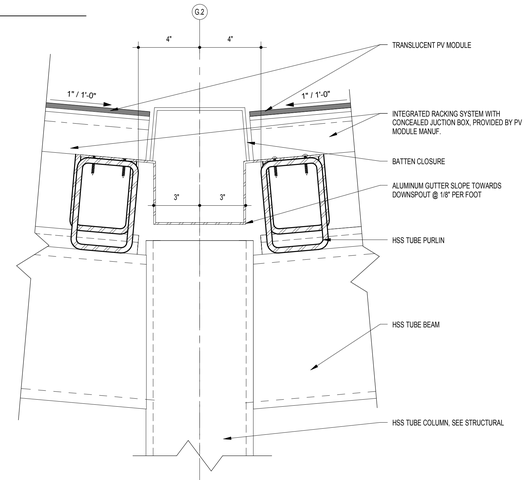

## L11 PV CANOPY RAIL TO PANEL DETAIL - ALT. #1
3" = 1'-0"



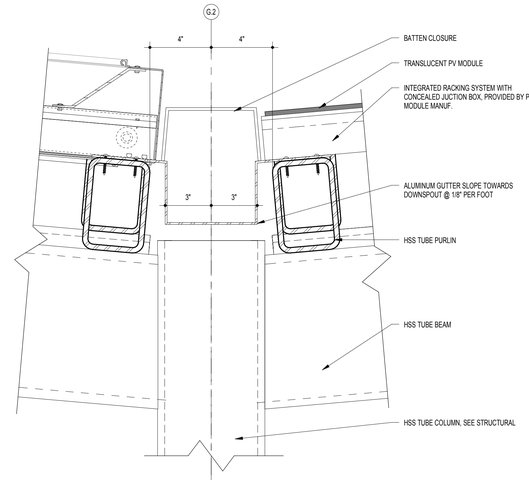

## L7 PV CANOPY TYPICAL RAIL LAYOUT - ALT. #1
1 1/2" = 1'-0"



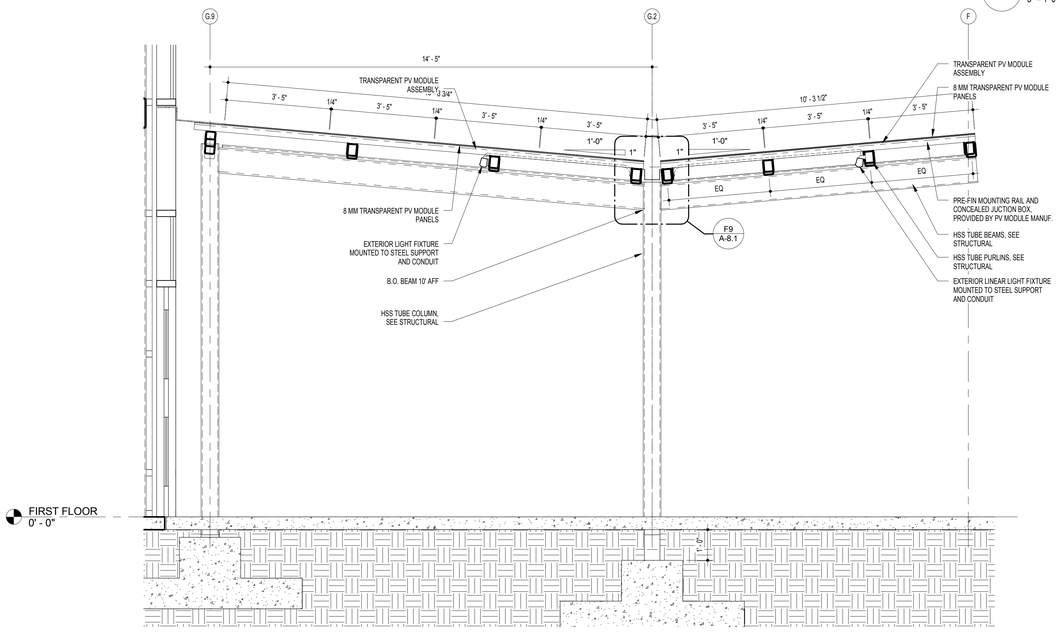

## K1 LONGITUDINAL PV MODULE CANOPY SECTION
1/2" = 1'-0"



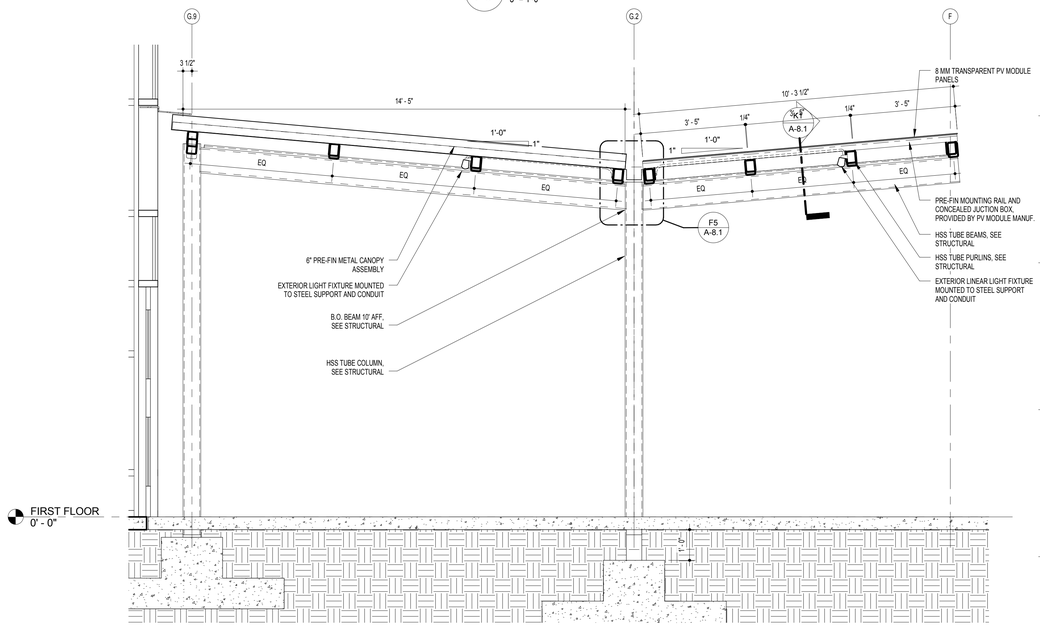

## F9 MAIN ENTRANCE CANOPY - GUTTER DETAIL ALT #1.B
3" = 1'-0"




## F5 MAIN ENTRANCE CANOPY - GUTTER DETAIL ALT #1.A
3" = 1'-0"




## A17 MAIN ENTRANCE CANOPY SECTION - ALT#1.B
1/2" = 1'-0"




## A9 MAIN ENTRANCE CANOPY SECTION - ALT#1.A
1/2" = 1'-0"

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ALTERNATES - ENTRY CANOPY

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

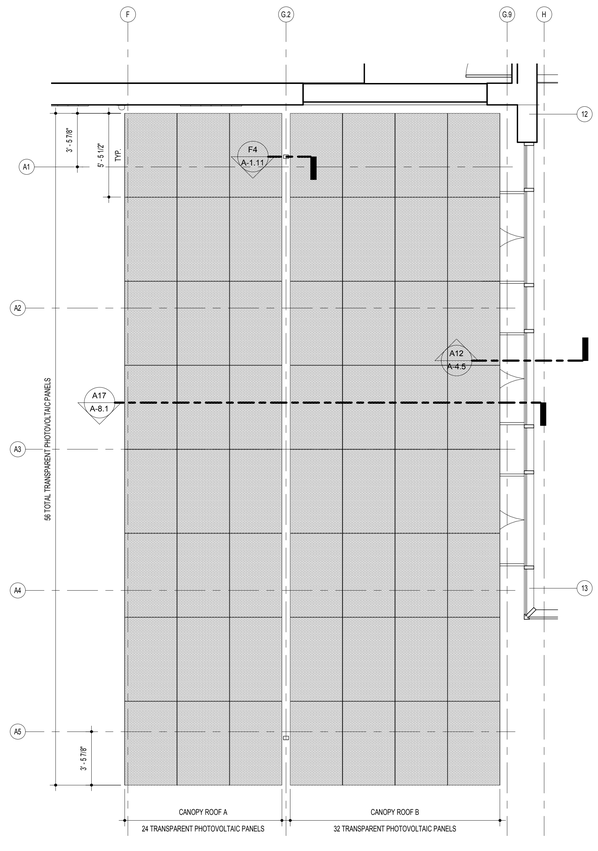
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**A-8.1**

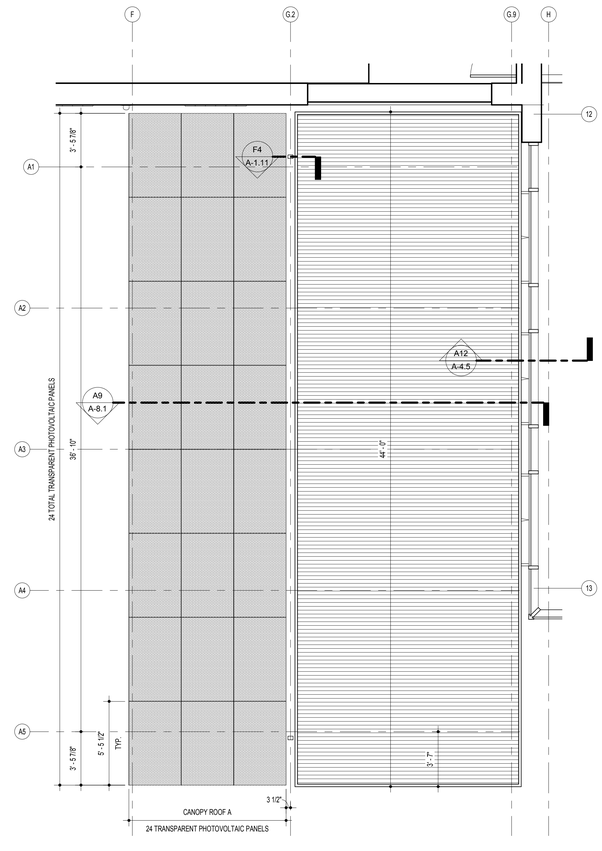
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A12 MAIN ENTRANCE CANOPY ROOF PLAN ALT #2
1/4" = 1'-0"




A6 MAIN ENTRANCE CANOPY ROOF PLAN ALT #1
1/4" = 1'-0"

N

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ALTERNATES - ENTRY CANOPY DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

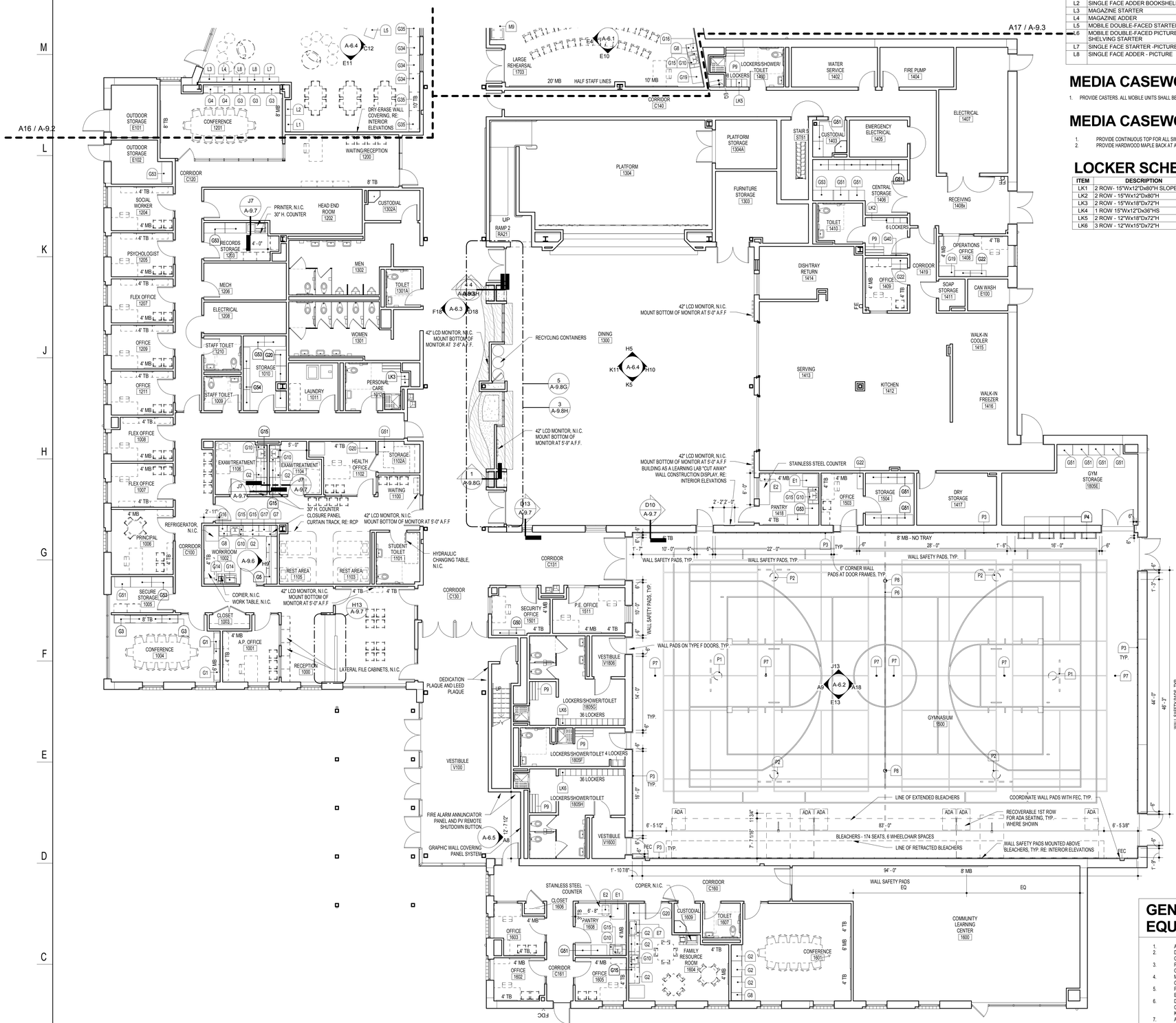
| DATE | DESCRIPTION |
|---|---|
| | |

**A-8.2**

03/13/2017
BID SET

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## MEDIA CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| L1 | SINGLE FACE STARTER BOOKSHELF | 37 | 12 | 63 | WORDEN | W-6312-M | |
| L2 | SINGLE FACE ADDER BOOKSHELF | 36 | 12 | 63 | WORDEN | W-6312-A-M | |
| L3 | MAGAZINE STARTER | 37 | 12 | 63 | WORDEN | W-6312 MS-M | |
| L4 | MAGAZINE ADDER | 36 | 12 | 63 | WORDEN | W-6312-MS-A-M | |
| L5 | MOBILE DOUBLE-FACED STARTER | 37 | 24 | 42 | WORDEN | W-4212-M | 1 |
| L6 | MOBILE DOUBLE-FACED PICTURE BK SHELVING STARTER | 37 | 24 | 42 | WORDEN | W-4224-P-M | 1 |
| L7 | SINGLE FACE STARTER -PICTURE | 37 | 12 | 63 | WORDEN | W-6312-P-M | |
| L8 | SINGLE FACE ADDER - PICTURE | 36 | 12 | 63 | WORDEN | W-6312-P-A-M | PICTURE BOOK ADDER |

## MEDIA CASEWORK REMARKS

1. PROVIDE CASTERS. ALL MOBILE UNITS SHALL BE INDIVIDUALLY MOVABLE - DO NOT CONNECT MULTIPLE UNITS TOGETHER

## MEDIA CASEWORK NOTES

1. PROVIDE CONTINUOUS TOP FOR ALL SIMILAR HEIGHT CASEWORK (LOW AND HIGH)
2. PROVIDE HARDWOOD MAPLE BACK AT ALL SHELVING

## LOCKER SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| LK1 | 2 ROW- 15"Wx12"Dx80"H SLOPE TOP | SEE SPEC | SEE SPEC | |
| LK2 | 2 ROW - 15"Wx12"Dx80"H | SEE SPEC | SEE SPEC | |
| LK3 | 2 ROW - 15"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK4 | 1 ROW 15"Wx12"Dx36"HS | SEE SPEC | SEE SPEC | |
| LK5 | 2 ROW - 12"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK6 | 3 ROW - 12"Wx15"Dx72"H | SEE SPEC | SEE SPEC | |

## GENERAL CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| G1 | LOW SHELVES | 36 | 14 | 34 | STEVENS | 10101 | |
| G2 | BASE CABINET | 36 | 24 | 34 | STEVENS | 10129 | |
| G3 | BASE CABINET | 36 | 18 | 34 | STEVENS | 10129 | |
| G4 | LOW SHELVES | 33 | 14 | 34 | STEVENS | 10101 | |
| G5 | BASE CABINET | 36 | 24 | 30 | STEVENS | 10129 | |
| G6 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 34 | STEVENS | 10432 | |
| G7 | BASE CABINET - BLIND | 42 | 24 | 34 | STEVENS | 10200 | |
| G8 | BASE CABINET - LH | 18 | 24 | 34 | STEVENS | 10121 | |
| G9 | SINK BASE | 36 | 24 | 34 | STEVENS | 10479 | |
| G10 | ADA SINK BASE - ADULT | 36 | 24 | 34 | STEVENS | 10590 | |
| G11 | WALL CABINET - RH | 12 | 14 | 30 | STEVENS | 15120 | |
| G12 | WALL CABINET - LH | 12 | 14 | 30 | STEVENS | 15121 | |
| G13 | WALL CABINET | 24 | 14 | 30 | STEVENS | 15129 | |
| G14 | WALL CABINET | 36 | 14 | 18 | STEVENS | 15129 | |
| G15 | WALL CABINET | 36 | 14 | 30 | STEVENS | 15129 | |
| G16 | WALL CABINET - LH | 18 | 14 | 30 | STEVENS | 15121 | |
| G17 | WALL CABINET - RH | 24 | 14 | 30 | STEVENS | 15120 | |
| G18 | WARDROBE/STORAGE | 42 | 25 | 85 | STEVENS | 25602 | |
| G19 | WARDROBE/STORAGE | 36 | 25 | 85 | STEVENS | 25602 | |
| G20 | TALL STORAGE | 36 | 25 | 85 | STEVENS | 25181 | |
| G21 | TALL STORAGE | 42 | 25 | 85 | STEVENS | 25181 | |
| G22 | TALL SHELVES | 36 | 14 | 84 | STEVENS | 25101 | |
| G23 | SMALL BIN STORAGE | 42 | 24 | 59 | STEVENS | 24243 | |
| G24 | MED BIN STORAGE | 42 | 24 | 59 | STEVENS | 24245 | |
| G25 | WALL CABINET | 30 | 14 | 18 | STEVENS | 15129 | |
| G26 | STACK-ON CAB | 42 | 24 | 36 | STEVENS | 22510 | |
| G27 | TALL STORAGE | 48 | 29 | 84 | STEVENS | 25181 | |
| G28 | ADA SINK BASE - CHILD | 36 | 24 | 30 | STEVENS | 10585 | |
| G29 | VERTICAL BOARD STORAGE | 48 | 29 | 84 | STEVENS | 25517 | |
| G30 | PAPER STORAGE | 48 | 34 | 35 | STEVENS | 10403 | |
| G31 | TALL STORAGE - COMBINATION | 36 | 24 | 84 | STEVENS | 25374 | |
| G32 | TALL STORAGE - TRAY | 36 | 25 | 85 | STEVENS | 25271 | |
| G33 | WALL CLEANUP CENTER | 78 | 30 | 42 | STEVENS | 35344 | |
| G34 | BASE CABINET - BINS | 42 | 24 | 34 | STEVENS | 10245 | |
| G35 | BASE CABINET - DIVIDER | 42 | 24 | 34 | STEVENS | 10181 | |
| G36 | BASE CABINET - LH | 21 | 24 | 34 | STEVENS | 10121 | |
| G37 | LOW SHELVES | 36 | 15 | 30 | STEVENS | 10101 | |
| G38 | LOW SHELVES | 33 | 14 | 30 | STEVENS | 10101 | |
| G39 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 30 | STEVENS | 10432 | |
| G40 | MIRROR - 2' X 6' | 24 | 0 | 60 | | | |
| G41 | MIRROR - 4' X 6' | 48 | 0 | 72 | | | |
| G42 | INSTRUCTOR TABLE | 60 | 30 | 36 | STEVENS | 49350 | NO GAS VALVE |
| G43 | GOOGLE CABINET | 24 | 12 | 30 | STEVENS | 52192 | |
| G44 | BASE CABINET | 33 | 24 | 34 | STEVENS | 10129 | |
| G45 | WALL CABINET | 33 | 14 | 25 | STEVENS | 15129 | |
| G46 | WALL CABINET | 36 | 14 | 25 | STEVENS | 15129 | |
| G47 | WALL CABINET - RH | 12 | 14 | 25 | STEVENS | 15120 | |
| G48 | WALL CABINET - LH | 12 | 14 | 25 | STEVENS | 15121 | |
| G50 | METAL SHELVING | 36 | 12 | 87 | PER SPEC | PER SPEC | |
| G51 | METAL SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |
| G52 | METAL SHELVING | 48 | 12 | 87 | PER SPEC | PER SPEC | |
| G53 | METAL SHELVING | 48 | 24 | 87 | PER SPEC | PER SPEC | |
| G54 | METAL SHELVING | 48 | 15 | 87 | PER SPEC | PER SPEC | |
| G55 | WIRE SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |

## MUSIC CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| M2 | TROMBONE & BASSOON STORAGE | 28 | 39 | 86 | WENGER | ACOUSTICAB #5 | |
| M3 | FRENCH HORN & SNARE STORAGE | 28 | 29 | 86 | WENGER | ACOUSTICAB #10 | NO DOORS |
| M4 | TROMBONE, BASSOON, & BARITONE HORN STORAGE | 28 | 39 | 86 | WENGER | ACOUSTICAB #7 | |
| M5 | TRUMPET & SAXOPHONE STORAGE | 49 | 29 | 86 | WENGER | ACOUSTICAB #12 | |
| M6 | CLARINET & FLUTE STORAGE | 28 | 19 | 86 | WENGER | ACOUSTICAB #1 | |
| M7 | FOLIO STORAGE | 25 | 19 | 84 | WENGER | 146K001 | WOOD DOORS |
| M9 | 4-UNIT BASS MOBILE STORAGE | 81 | 26 | 61 | WENGER | 148J004 | |
| M10 | 6-UNIT CELLO MOBILE STORAGE | 73 | 24 | 47 | WENGER | 148J002 | |
| M11 | CLARINET & FLUTE STORAGE | 14 | 29 | 86 | WENGER | ACOUSTICAB #20 | |
| M12 | TUBA & DRUM STORAGE | 49 | 29 | 86 | WENGER | ACOUSTICAB #15 | |
| M13 | TRUMPET & SAXOPHONE STORAGE | 28 | 29 | 86 | WENGER | ACOUSTICAB #4 | |

## P.E. EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MANUF. # | REMARKS |
|---|---|---|---|---|
| P1 | FRONT FOLD BACKSTOP | SEE SPEC | SEE SPEC | |
| P2 | SIDE FOLD BACKSTOP | SEE SPEC | SEE SPEC | |
| P3 | WALL SAFETY PAD | SEE SPEC | SEE SPEC | |
| P4 | CHIN UP BAR | SEE SPEC | SEE SPEC | |
| P5 | SHOT CLOCK | SEE SPEC | SEE SPEC | |
| P6 | FOLD-UP DIVIDER CURTAIN | SEE SPEC | SEE SPEC | |
| P7 | BADMINTON FLOOR PLATE | SEE SPEC | SEE SPEC | |
| P8 | VOLLEYBALL FLOOR PLATE | SEE SPEC | SEE SPEC | |
| P9 | ADA BENCH | SEE SPEC | SEE SPEC | |

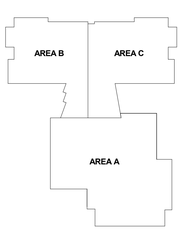
## EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| E1 | REFRIGERATOR | GE | GIE18ETHWW | No |
| E2 | UNDER COUNTER ICE MAKER | MANITOWOC | RNS-0244 | No |
| E3 | ICE MACHINE | MANITOWOC | RNS-0385 | No |
| E4 | WASHING MACHINE | GE | GFW480SSKWW | No |
| E5 | DRYER | GE | GFD48ESSKWW | No |
| E6 | LAPTOP CHARGING CART | | | Yes |
| E7 | MICROWAVE | | | Yes |
| E8 | KILN | SKUTT | KM-1227-3 | |

## GENERAL FURNISHING AND EQUIPMENT NOTES

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
6. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP. FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
10. SEE SPEC SECTION 123550 FOR REQUIREMENTS OF EDUCATIONAL CASEWORK.
11. SEE SPEC SECTION 115123 FOR REQUIREMENTS OF LIBRARY STACK SYSTEMS
12. SEE SPEC SECTION 123551 FOR REQUIREMENTS OF MUSIC INSTRUMENT STORAGE CABINETS.
13. ALL CABINETS AND DRAWERS IN THE PRE-KINDERGARTEN AND KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
14. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
15. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
16. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
17. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. ALL MARKERBOARDS (MB) IN LEARNING SPACES TO HAVE TACKSTRIP ABOVE OF EQUAL LENGTH.
19. PROVIDE 2" TACKSTRIP ALONG PERIMETER OF ALL CORE LEARNING SPACES AT 9'-0" AFF.

## KEY PLAN




A18 PARTIAL FIRST FLOOR FURNITURE PLAN - AREA A
1/8" = 1'-0"

GRIMM AND PARKER
11720 Beltsville Drive
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Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

GP# 21553

PARTIAL FIRST FLOOR FURNISHING PLAN - AREA A

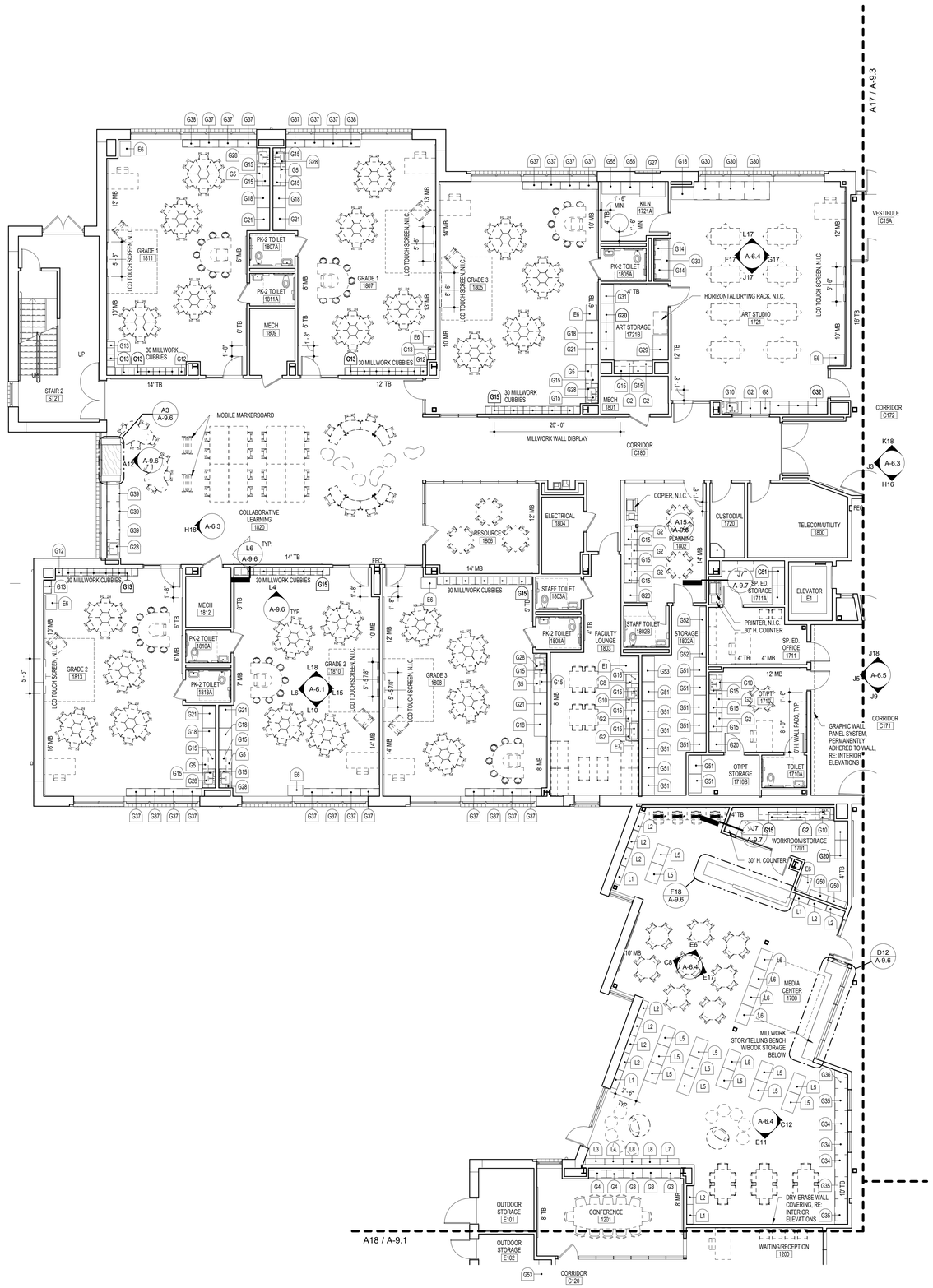
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

A-9.1
03/13/2017
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A16 PARTIAL FIRST FLOOR FURNITURE PLAN - AREA B
1/8" = 1'-0"

## GENERAL CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| G1 | LOW SHELVES | 36 | 14 | 34 | STEVENS | 10101 | |
| G2 | BASE CABINET | 36 | 24 | 34 | STEVENS | 10129 | |
| G3 | BASE CABINET | 36 | 18 | 34 | STEVENS | 10129 | |
| G4 | LOW SHELVES | 33 | 14 | 34 | STEVENS | 10101 | |
| G5 | BASE CABINET | 36 | 24 | 30 | STEVENS | 10129 | |
| G6 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 34 | STEVENS | 10432 | |
| G7 | BASE CABINET - BLIND | 42 | 24 | 34 | STEVENS | 10200 | |
| G8 | BASE CABINET - LH | 18 | 24 | 34 | STEVENS | 10121 | |
| G9 | SINK BASE | 36 | 24 | 34 | STEVENS | 10479 | |
| G10 | ADA SINK BASE - ADULT | 36 | 24 | 34 | STEVENS | 10590 | |
| G11 | WALL CABINET - RH | 12 | 14 | 30 | STEVENS | 15120 | |
| G12 | WALL CABINET - LH | 12 | 14 | 30 | STEVENS | 15121 | |
| G13 | WALL CABINET | 24 | 14 | 30 | STEVENS | 15129 | |
| G14 | WALL CABINET | 36 | 14 | 18 | STEVENS | 15129 | |
| G15 | WALL CABINET | 36 | 14 | 30 | STEVENS | 15129 | |
| G16 | WALL CABINET - LH | 18 | 14 | 30 | STEVENS | 15121 | |
| G17 | WALL CABINET - RH | 24 | 14 | 30 | STEVENS | 15120 | |
| G18 | WARDROBE/STORAGE | 42 | 25 | 85 | STEVENS | 25602 | |
| G19 | WARDROBE/STORAGE | 36 | 25 | 85 | STEVENS | 25602 | |
| G20 | TALL STORAGE | 36 | 25 | 85 | STEVENS | 25181 | |
| G21 | TALL STORAGE | 42 | 25 | 85 | STEVENS | 25181 | |
| G22 | TALL SHELVES | 36 | 14 | 84 | STEVENS | 25101 | |
| G23 | SMALL BIN STORAGE | 42 | 24 | 59 | STEVENS | 24243 | |
| G24 | MED BIN STORAGE | 42 | 24 | 59 | STEVENS | 24245 | |
| G25 | WALL CABINET | 30 | 14 | 18 | STEVENS | 15129 | |
| G26 | STACK-ON CAB | 42 | 24 | 36 | STEVENS | 22510 | |
| G27 | TALL STORAGE | 48 | 29 | 84 | STEVENS | 25181 | |
| G28 | ADA SINK BASE - CHILD | 36 | 24 | 30 | STEVENS | 10585 | |
| G29 | VERTICAL BOARD STORAGE | 48 | 29 | 84 | STEVENS | 25517 | |
| G30 | PAPER STORAGE | 48 | 34 | 35 | STEVENS | 10403 | |
| G31 | TALL STORAGE - COMBINATION | 36 | 24 | 84 | STEVENS | 25374 | |
| G32 | TALL STORAGE - TRAY | 36 | 25 | 85 | STEVENS | 25271 | |
| G33 | WALL CLEANUP CENTER | 78 | 30 | 42 | STEVENS | 35344 | |
| G34 | BASE CABINET - BINS | 42 | 24 | 34 | STEVENS | 10245 | |
| G35 | BASE CABINET - DIVIDER | 42 | 24 | 34 | STEVENS | 10181 | |
| G36 | BASE CABINET - LH | 21 | 24 | 34 | STEVENS | 10121 | |
| G37 | LOW SHELVES | 36 | 15 | 30 | STEVENS | 10101 | |
| G38 | LOW SHELVES | 33 | 14 | 30 | STEVENS | 10101 | |
| G39 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 30 | STEVENS | 10432 | |
| G40 | MIRROR - 2' X 6' | 24 | 0 | 60 | | | |
| G41 | MIRROR - 4' X 6' | 48 | 0 | 72 | | | |
| G42 | INSTRUCTOR TABLE | 60 | 30 | 36 | STEVENS | 49350 | NO GAS VALVE |
| G43 | GOOGLE CABINET | 24 | 12 | 30 | STEVENS | 52192 | |
| G44 | BASE CABINET | 33 | 24 | 34 | STEVENS | 10129 | |
| G45 | WALL CABINET | 33 | 14 | 25 | STEVENS | 15129 | |
| G46 | WALL CABINET | 36 | 14 | 25 | STEVENS | 15129 | |
| G47 | WALL CABINET - RH | 12 | 14 | 25 | STEVENS | 15120 | |
| G48 | WALL CABINET - LH | 12 | 14 | 25 | STEVENS | 15121 | |
| G50 | METAL SHELVING | 36 | 12 | 87 | PER SPEC | PER SPEC | |
| G51 | METAL SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |
| G52 | METAL SHELVING | 48 | 12 | 87 | PER SPEC | PER SPEC | |
| G53 | METAL SHELVING | 48 | 24 | 87 | PER SPEC | PER SPEC | |
| G54 | METAL SHELVING | 48 | 15 | 87 | PER SPEC | PER SPEC | |
| G55 | WIRE SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |

## EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| E1 | REFRIGERATOR | GE | GIE18ETHWW | No |
| E2 | UNDER COUNTER ICE MAKER | MANITOWOC | RNS-0244 | No |
| E3 | ICE MACHINE | MANITOWOC | RNS-0385 | No |
| E4 | WASHING MACHINE | GE | GFW480SSKWW | No |
| E5 | DRYER | GE | GFD48ESSKWW | No |
| E6 | LAPTOP CHARGING CART | | | Yes |
| E7 | MICROWAVE | | | Yes |
| E8 | KILN | SKUTT | KM-1227-3 | |

## MEDIA CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| L1 | SINGLE FACE STARTER BOOKSHELF | 37 | 12 | 63 | WORDEN | W-6312-M | |
| L2 | SINGLE FACE ADDER BOOKSHELF | 36 | 12 | 63 | WORDEN | W-6312-A-M | |
| L3 | MAGAZINE STARTER | 37 | 12 | 63 | WORDEN | W-6312 MS-M | |
| L4 | MAGAZINE ADDER | 36 | 12 | 63 | WORDEN | W-6312-MS-A-M | |
| L5 | MOBILE DOUBLE-FACED STARTER | 37 | 24 | 42 | WORDEN | W-4212-M | 1 |
| L6 | MOBILE DOUBLE-FACED PICTURE BK SHELVING STARTER | 37 | 24 | 42 | WORDEN | W-4224-P-M | 1 |
| L7 | SINGLE FACE STARTER -PICTURE | 37 | 12 | 63 | WORDEN | W-6312-P-M | |
| L8 | SINGLE FACE ADDER - PICTURE | 36 | 12 | 63 | WORDEN | W-6312-P-A-M | PICTURE BOOK ADDER |

## MEDIA CASEWORK REMARKS

1. PROVIDE CASTERS. ALL MOBILE UNITS SHALL BE INDIVIDUALLY MOVABLE - DO NOT CONNECT MULTIPLE UNITS TOGETHER

## MEDIA CASEWORK NOTES

1. PROVIDE CONTINUOUS TOP FOR ALL SIMILAR HEIGHT CASEWORK (LOW AND HIGH)
2. PROVIDE HARDWOOD MAPLE BACK AT ALL SHELVING

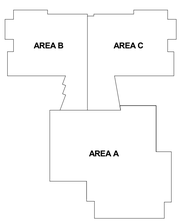
## LOCKER SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| LK1 | 2 ROW- 15"Wx12"Dx80"H SLOPE TOP | SEE SPEC | SEE SPEC | |
| LK2 | 2 ROW - 15"Wx12"Dx80"H | SEE SPEC | SEE SPEC | |
| LK3 | 2 ROW - 15"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK4 | 1 ROW 15"Wx12"Dx36"HS | SEE SPEC | SEE SPEC | |
| LK5 | 2 ROW - 12"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK6 | 3 ROW - 12"Wx15"Dx72"H | SEE SPEC | SEE SPEC | |

## GENERAL FURNISHING AND EQUIPMENT NOTES

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
6. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP. FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
10. SEE SPEC SECTION 123550 FOR REQUIREMENTS OF EDUCATIONAL CASEWORK.
11. SEE SPEC SECTION 115123 FOR REQUIREMENTS OF LIBRARY STACK SYSTEMS.
12. SEE SPEC SECTION 123551 FOR REQUIREMENTS OF MUSIC INSTRUMENT STORAGE CABINETS.
13. ALL CABINETS AND DRAWERS IN THE PRE-KINDERGARTEN AND KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
14. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
15. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
16. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
17. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. ALL MARKERBOARDS (MB) IN LEARNING SPACES TO HAVE TACKSTRIP ABOVE OF EQUAL LENGTH.
19. PROVIDE 2" TACKSTRIP ALONG PERIMETER OF ALL CORE LEARNING SPACES AT 9'-0" AFF.

## KEY PLAN




N

GRIMM AND PARKER
11720 Beltsville Drive
Suite 600
Calverton, MD 20705
Tel: 301.595.1000
www.grimmandparker.com

GP# 21553

PARTIAL FIRST FLOOR FURNISHING PLAN - AREA B

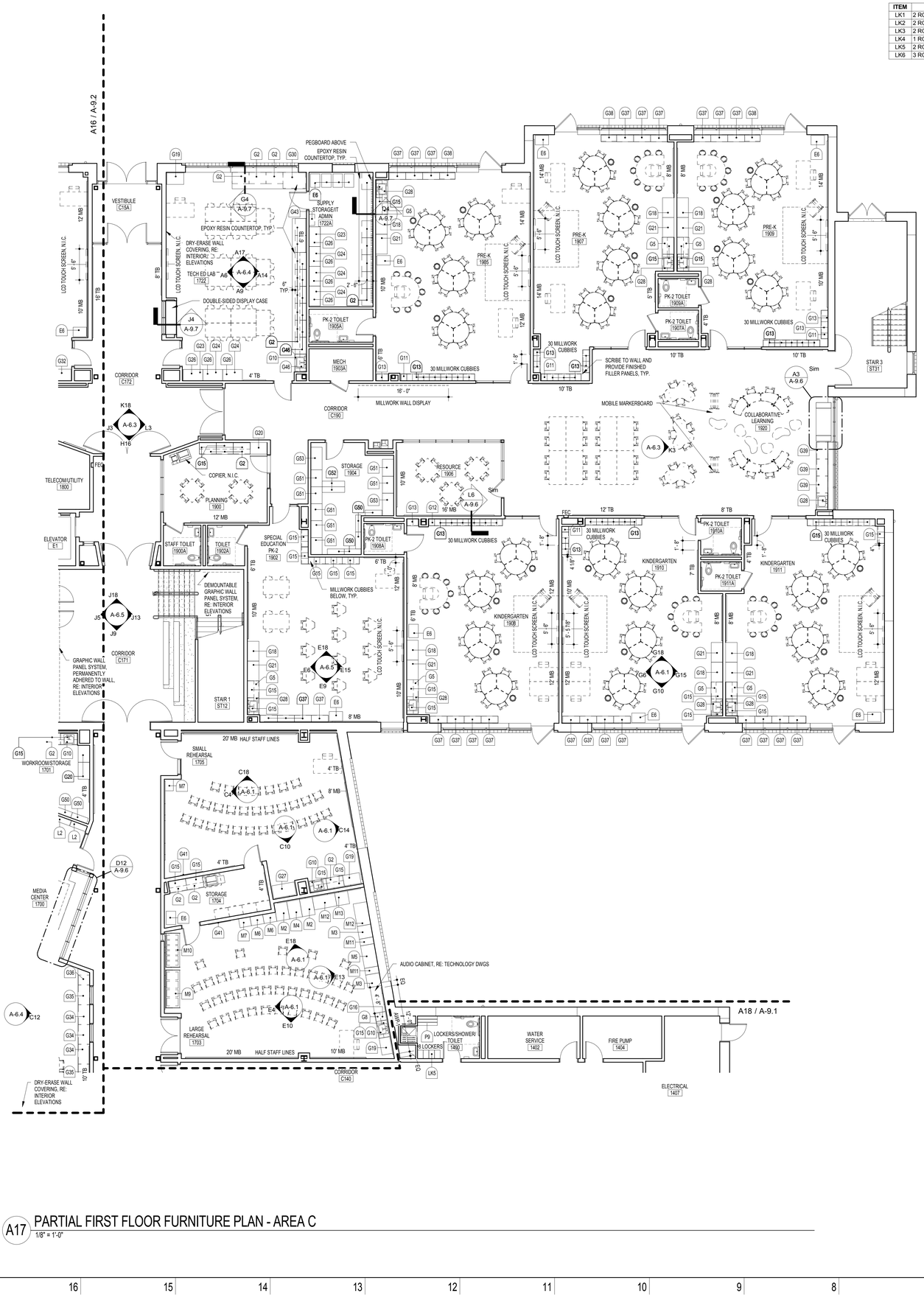
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

**A-9.2**
03/13/2017
BID SET

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A17 PARTIAL FIRST FLOOR FURNITURE PLAN - AREA C
1/8" = 1'-0"

## LOCKER SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| LK1 | 2 ROW- 15"Wx12"Dx80"H SLOPE TOP | SEE SPEC | SEE SPEC | |
| LK2 | 2 ROW - 15"Wx12"Dx80"H | SEE SPEC | SEE SPEC | |
| LK3 | 2 ROW - 15"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK4 | 1 ROW 15"Wx12"Dx36"HS | SEE SPEC | SEE SPEC | |
| LK5 | 2 ROW - 12"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK6 | 3 ROW - 12"Wx15"Dx72"H | SEE SPEC | SEE SPEC | |

## GENERAL CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| G1 | LOW SHELVES | 36 | 14 | 34 | STEVENS | 10101 | |
| G2 | BASE CABINET | 36 | 24 | 34 | STEVENS | 10129 | |
| G3 | BASE CABINET | 36 | 18 | 34 | STEVENS | 10129 | |
| G4 | LOW SHELVES | 33 | 14 | 34 | STEVENS | 10101 | |
| G5 | BASE CABINET | 36 | 24 | 30 | STEVENS | 10129 | |
| G6 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 34 | STEVENS | 10432 | |
| G7 | BASE CABINET - BLIND | 42 | 24 | 34 | STEVENS | 10200 | |
| G8 | BASE CABINET - LH | 18 | 24 | 34 | STEVENS | 10121 | |
| G9 | SINK BASE | 36 | 24 | 34 | STEVENS | 10479 | |
| G10 | ADA SINK BASE - ADULT | 36 | 24 | 34 | STEVENS | 10590 | |
| G11 | WALL CABINET - RH | 12 | 14 | 30 | STEVENS | 15120 | |
| G12 | WALL CABINET - LH | 12 | 14 | 30 | STEVENS | 15121 | |
| G13 | WALL CABINET | 24 | 14 | 30 | STEVENS | 15129 | |
| G14 | WALL CABINET | 36 | 14 | 18 | STEVENS | 15129 | |
| G15 | WALL CABINET | 36 | 14 | 30 | STEVENS | 15129 | |
| G16 | WALL CABINET - LH | 18 | 14 | 30 | STEVENS | 15121 | |
| G17 | WALL CABINET - RH | 24 | 14 | 30 | STEVENS | 15120 | |
| G18 | WARDROBE/STORAGE | 42 | 25 | 85 | STEVENS | 25602 | |
| G19 | WARDROBE/STORAGE | 36 | 25 | 85 | STEVENS | 25602 | |
| G20 | TALL STORAGE | 36 | 25 | 85 | STEVENS | 25181 | |
| G21 | TALL STORAGE | 42 | 25 | 85 | STEVENS | 25181 | |
| G22 | TALL SHELVES | 36 | 14 | 84 | STEVENS | 25101 | |
| G23 | SMALL BIN STORAGE | 42 | 24 | 59 | STEVENS | 24243 | |
| G24 | MED BIN STORAGE | 42 | 24 | 59 | STEVENS | 24245 | |
| G25 | WALL CABINET | 30 | 14 | 18 | STEVENS | 15129 | |
| G26 | STACK-ON CAB | 42 | 24 | 36 | STEVENS | 22510 | |
| G27 | TALL STORAGE | 48 | 29 | 84 | STEVENS | 25181 | |
| G28 | ADA SINK BASE - CHILD | 36 | 24 | 30 | STEVENS | 10585 | |
| G29 | VERTICAL BOARD STORAGE | 48 | 29 | 84 | STEVENS | 25517 | |
| G30 | PAPER STORAGE | 48 | 34 | 35 | STEVENS | 10403 | |
| G31 | TALL STORAGE - COMBINATION | 36 | 24 | 84 | STEVENS | 25374 | |
| G32 | TALL STORAGE - TRAY | 36 | 25 | 85 | STEVENS | 25271 | |
| G33 | WALL CLEANUP CENTER | 78 | 30 | 42 | STEVENS | 35344 | |
| G34 | BASE CABINET - BINS | 42 | 24 | 34 | STEVENS | 10245 | |
| G35 | BASE CABINET - DIVIDER | 42 | 24 | 34 | STEVENS | 10181 | |
| G36 | BASE CABINET - LH | 21 | 24 | 34 | STEVENS | 10121 | |
| G37 | LOW SHELVES | 36 | 15 | 30 | STEVENS | 10101 | |
| G38 | LOW SHELVES | 33 | 14 | 30 | STEVENS | 10101 | |
| G39 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 30 | STEVENS | 10432 | |
| G40 | MIRROR - 2' X 6' | 24 | 0 | 60 | | | |
| G41 | MIRROR - 4' X 6' | 48 | 0 | 72 | | | |
| G42 | INSTRUCTOR TABLE | 60 | 30 | 36 | STEVENS | 49350 | NO GAS VALVE |
| G43 | GOOGLE CABINET | 24 | 12 | 30 | STEVENS | 52192 | |
| G44 | BASE CABINET | 33 | 24 | 34 | STEVENS | 10129 | |
| G45 | WALL CABINET | 33 | 14 | 25 | STEVENS | 15129 | |
| G46 | WALL CABINET | 36 | 14 | 25 | STEVENS | 15129 | |
| G47 | WALL CABINET - RH | 12 | 14 | 25 | STEVENS | 15120 | |
| G48 | WALL CABINET - LH | 12 | 14 | 25 | STEVENS | 15121 | |
| G50 | METAL SHELVING | 36 | 12 | 87 | PER SPEC | PER SPEC | |
| G51 | METAL SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |
| G52 | METAL SHELVING | 48 | 12 | 87 | PER SPEC | PER SPEC | |
| G53 | METAL SHELVING | 48 | 24 | 87 | PER SPEC | PER SPEC | |
| G54 | METAL SHELVING | 48 | 15 | 87 | PER SPEC | PER SPEC | |
| G55 | WIRE SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |

## MUSIC CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| M2 | TROMBONE & BASSOON STORAGE | 28 | 39 | 86 | WENGER | ACOUSTICAB #5 | |
| M3 | FRENCH HORN & SNARE STORAGE | 28 | 29 | 86 | WENGER | ACOUSTICAB #10 | NO DOORS |
| M4 | TROMBONE, BASSOON, & BARITONE HORN STORAGE | 28 | 39 | 86 | WENGER | ACOUSTICAB #7 | |
| M5 | TRUMPET & SAXOPHONE STORAGE | 49 | 29 | 86 | WENGER | ACOUSTICAB #12 | |
| M6 | CLARINET & FLUTE STORAGE | 28 | 19 | 86 | WENGER | ACOUSTICAB #1 | |
| M7 | FOLIO STORAGE | 25 | 19 | 84 | WENGER | 146K001 | WOOD DOORS |
| M9 | 4-UNIT BASS MOBILE STORAGE | 81 | 26 | 61 | WENGER | 148J004 | |
| M10 | 6-UNIT CELLO MOBILE STORAGE | 73 | 24 | 47 | WENGER | 148J002 | |
| M11 | CLARINET & FLUTE STORAGE | 14 | 29 | 86 | WENGER | ACOUSTICAB #20 | |
| M12 | TUBA & DRUM STORAGE | 49 | 29 | 86 | WENGER | ACOUSTICAB #15 | |
| M13 | TRUMPET & SAXOPHONE STORAGE | 28 | 29 | 86 | WENGER | ACOUSTICAB #4 | |

## P.E. EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MANUF. # | REMARKS |
|---|---|---|---|---|
| P1 | FRONT FOLD BACKSTOP | SEE SPEC | SEE SPEC | |
| P2 | SIDE FOLD BACKSTOP | SEE SPEC | SEE SPEC | |
| P3 | WALL SAFETY PAD | SEE SPEC | SEE SPEC | |
| P4 | CHIN UP BAR | SEE SPEC | SEE SPEC | |
| P5 | SHOT CLOCK | SEE SPEC | SEE SPEC | |
| P6 | FOLD-UP DIVIDER CURTAIN | SEE SPEC | SEE SPEC | |
| P7 | BADMINTON FLOOR PLATE | SEE SPEC | SEE SPEC | |
| P8 | VOLLEYBALL FLOOR PLATE | SEE SPEC | SEE SPEC | |
| P9 | ADA BENCH | SEE SPEC | SEE SPEC | |

## EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| E1 | REFRIGERATOR | GE | GIE18ETHWW | No |
| E2 | UNDER COUNTER ICE MAKER | MANITOWOC | RNS-0244 | No |
| E3 | ICE MACHINE | MANITOWOC | RNS-0385 | No |
| E4 | WASHING MACHINE | GE | GFW480SSKWW | No |
| E5 | DRYER | GE | GFD48ESSKWW | No |
| E6 | LAPTOP CHARGING CART | | | Yes |
| E7 | MICROWAVE | | | Yes |
| E8 | KILN | SKUTT | KM-1227-3 | |

## MEDIA CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| L1 | SINGLE FACE STARTER BOOKSHELF | 37 | 12 | 63 | WORDEN | W-6312-M | |
| L2 | SINGLE FACE ADDER BOOKSHELF | 36 | 12 | 63 | WORDEN | W-6312-A-M | |
| L3 | MAGAZINE STARTER | 37 | 12 | 63 | WORDEN | W-6312 MS-M | |
| L4 | MAGAZINE ADDER | 36 | 12 | 63 | WORDEN | W-6312-MS-A-M | |
| L5 | MOBILE DOUBLE-FACED STARTER | 37 | 24 | 42 | WORDEN | W-4212-M | 1 |
| L6 | MOBILE DOUBLE-FACED PICTURE BK SHELVING STARTER | 37 | 24 | 42 | WORDEN | W-4224-P-M | 1 |
| L7 | SINGLE FACE STARTER -PICTURE | 37 | 12 | 63 | WORDEN | W-6312-P-M | |
| L8 | SINGLE FACE ADDER - PICTURE | 36 | 12 | 63 | WORDEN | W-6312-P-A-M | PICTURE BOOK ADDER |

## MEDIA CASEWORK REMARKS

1. PROVIDE CASTERS. ALL MOBILE UNITS SHALL BE INDIVIDUALLY MOVABLE - DO NOT CONNECT MULTIPLE UNITS TOGETHER

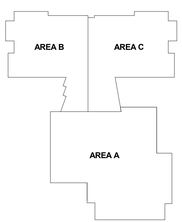
## MEDIA CASEWORK NOTES

1. PROVIDE CONTINUOUS TOP FOR ALL SIMILAR HEIGHT CASEWORK (LOW AND HIGH)
2. PROVIDE HARDWOOD MAPLE BACK AT ALL SHELVING

## GENERAL FURNISHING AND EQUIPMENT NOTES

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
6. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP. FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
10. SEE SPEC SECTION 123550 FOR REQUIREMENTS OF EDUCATIONAL CASEWORK.
11. SEE SPEC SECTION 115123 FOR REQUIREMENTS OF LIBRARY STACK SYSTEMS
12. SEE SPEC SECTION 123551 FOR REQUIREMENTS OF MUSIC INSTRUMENT STORAGE CABINETS.
13. ALL CABINETS AND DRAWERS IN THE PRE-KINDERGARTEN AND KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
14. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
15. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
16. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
17. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. ALL MARKERBOARDS (MB) IN LEARNING SPACES TO HAVE TACKSTRIP ABOVE OF EQUAL LENGTH.
19. PROVIDE 2" TACKSTRIP ALONG PERIMETER OF ALL CORE LEARNING SPACES AT 9'-0" AFF.

## KEY PLAN




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GP# 21553

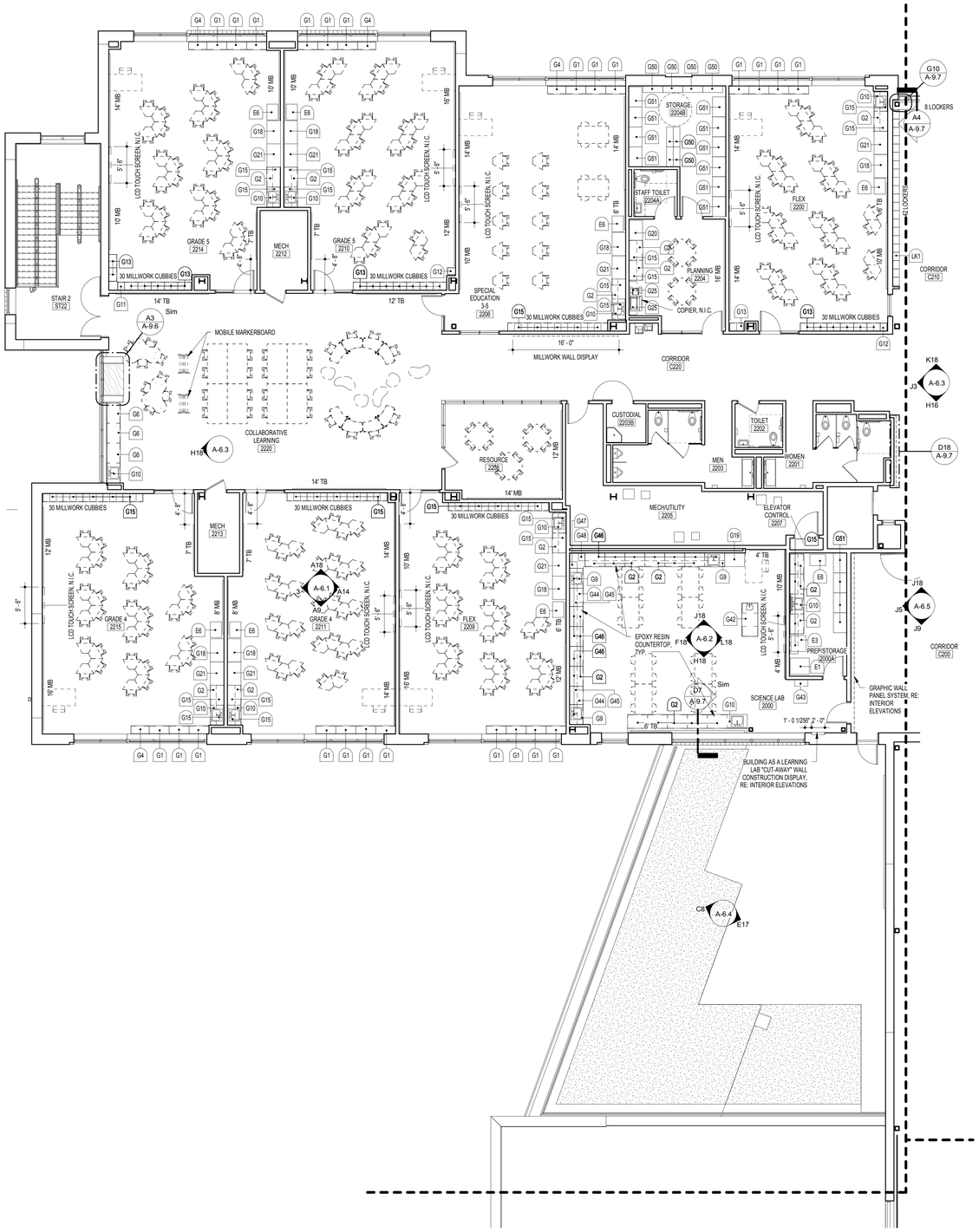
PARTIAL FIRST FLOOR FURNISHING PLAN - AREA C
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

A-9.3
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A17 PARTIAL SECOND FLOOR FURNITURE PLAN - AREA B
1/8" = 1'-0"

## GENERAL CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| G1 | LOW SHELVES | 36 | 14 | 34 | STEVENS | 10101 | |
| G2 | BASE CABINET | 36 | 24 | 34 | STEVENS | 10129 | |
| G3 | BASE CABINET | 36 | 18 | 34 | STEVENS | 10129 | |
| G4 | LOW SHELVES | 33 | 14 | 34 | STEVENS | 10101 | |
| G5 | BASE CABINET | 36 | 24 | 30 | STEVENS | 10129 | |
| G6 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 34 | STEVENS | 10432 | |
| G7 | BASE CABINET - BLIND | 42 | 24 | 34 | STEVENS | 10200 | |
| G8 | BASE CABINET - LH | 18 | 24 | 34 | STEVENS | 10121 | |
| G9 | SINK BASE | 36 | 24 | 34 | STEVENS | 10479 | |
| G10 | ADA SINK BASE - ADULT | 36 | 24 | 34 | STEVENS | 10590 | |
| G11 | WALL CABINET - RH | 12 | 14 | 30 | STEVENS | 15120 | |
| G12 | WALL CABINET - LH | 12 | 14 | 30 | STEVENS | 15121 | |
| G13 | WALL CABINET | 24 | 14 | 30 | STEVENS | 15129 | |
| G14 | WALL CABINET | 36 | 14 | 18 | STEVENS | 15129 | |
| G15 | WALL CABINET | 36 | 14 | 30 | STEVENS | 15129 | |
| G16 | WALL CABINET - LH | 18 | 14 | 30 | STEVENS | 15121 | |
| G17 | WALL CABINET - RH | 24 | 14 | 30 | STEVENS | 15120 | |
| G18 | WARDROBE/STORAGE | 42 | 25 | 85 | STEVENS | 25602 | |
| G19 | WARDROBE/STORAGE | 36 | 25 | 85 | STEVENS | 25602 | |
| G20 | TALL STORAGE | 36 | 25 | 85 | STEVENS | 25181 | |
| G21 | TALL STORAGE | 42 | 25 | 85 | STEVENS | 25181 | |
| G22 | TALL SHELVES | 36 | 14 | 84 | STEVENS | 25101 | |
| G23 | SMALL BIN STORAGE | 42 | 24 | 59 | STEVENS | 24243 | |
| G24 | MED BIN STORAGE | 42 | 24 | 59 | STEVENS | 24245 | |
| G25 | WALL CABINET | 30 | 14 | 18 | STEVENS | 15129 | |
| G26 | STACK-ON CAB | 42 | 24 | 36 | STEVENS | 22510 | |
| G27 | TALL STORAGE | 48 | 29 | 84 | STEVENS | 25181 | |
| G28 | ADA SINK BASE - CHILD | 36 | 24 | 30 | STEVENS | 10585 | |
| G29 | VERTICAL BOARD STORAGE | 48 | 29 | 84 | STEVENS | 25517 | |
| G30 | PAPER STORAGE | 48 | 34 | 35 | STEVENS | 10403 | |
| G31 | TALL STORAGE - COMBINATION | 36 | 24 | 84 | STEVENS | 25374 | |
| G32 | TALL STORAGE - TRAY | 36 | 25 | 85 | STEVENS | 25271 | |
| G33 | WALL CLEANUP CENTER | 78 | 30 | 42 | STEVENS | 35344 | |
| G34 | BASE CABINET - BINS | 42 | 24 | 34 | STEVENS | 10245 | |
| G35 | BASE CABINET - DIVIDER | 42 | 24 | 34 | STEVENS | 10181 | |
| G36 | BASE CABINET - LH | 21 | 24 | 34 | STEVENS | 10121 | |
| G37 | LOW SHELVES | 36 | 15 | 30 | STEVENS | 10101 | |
| G38 | LOW SHELVES | 33 | 14 | 30 | STEVENS | 10101 | |
| G39 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 30 | STEVENS | 10432 | |
| G40 | MIRROR - 2' X 6' | 24 | 0 | 60 | | | |
| G41 | MIRROR - 4' X 6' | 48 | 0 | 72 | | | |
| G42 | INSTRUCTOR TABLE | 60 | 30 | 36 | STEVENS | 49350 | NO GAS VALVE |
| G43 | GOOGLE CABINET | 24 | 12 | 30 | STEVENS | 52192 | |
| G44 | BASE CABINET | 33 | 24 | 34 | STEVENS | 10129 | |
| G45 | WALL CABINET | 33 | 14 | 25 | STEVENS | 15129 | |
| G46 | WALL CABINET | 36 | 14 | 25 | STEVENS | 15129 | |
| G47 | WALL CABINET - RH | 12 | 14 | 25 | STEVENS | 15120 | |
| G48 | WALL CABINET - LH | 12 | 14 | 25 | STEVENS | 15121 | |
| G50 | METAL SHELVING | 36 | 12 | 87 | PER SPEC | PER SPEC | |
| G51 | METAL SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |
| G52 | METAL SHELVING | 48 | 12 | 87 | PER SPEC | PER SPEC | |
| G53 | METAL SHELVING | 48 | 24 | 87 | PER SPEC | PER SPEC | |
| G54 | METAL SHELVING | 48 | 15 | 87 | PER SPEC | PER SPEC | |
| G55 | WIRE SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |

## EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| E1 | REFRIGERATOR | GE | GIE18ETHWW | No |
| E2 | UNDER COUNTER ICE MAKER | MANITOWOC | RNS-0244 | No |
| E3 | ICE MACHINE | MANITOWOC | RNS-0385 | No |
| E4 | WASHING MACHINE | GE | GFW480SSKWW | No |
| E5 | DRYER | GE | GFD48ESSKWW | No |
| E6 | LAPTOP CHARGING CART | | | Yes |
| E7 | MICROWAVE | | | Yes |
| E8 | KILN | SKUTT | KM-1227-3 | |

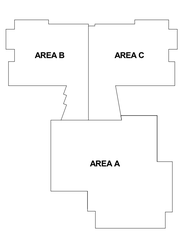
## LOCKER SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| LK1 | 2 ROW- 15"Wx12"Dx80"H SLOPE TOP | SEE SPEC | SEE SPEC | |
| LK2 | 2 ROW - 15"Wx12"Dx80"H | SEE SPEC | SEE SPEC | |
| LK3 | 2 ROW - 15"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK4 | 1 ROW 15"Wx12"Dx36"HS | SEE SPEC | SEE SPEC | |
| LK5 | 2 ROW - 12"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK6 | 3 ROW - 12"Wx15"Dx72"H | SEE SPEC | SEE SPEC | |

## GENERAL FURNISHING AND EQUIPMENT NOTES

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
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5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
6. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP, FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS -SEE CASEWORK KEY AND SPECIFICATIONS.
7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
10. SEE SPEC SECTION 123550 FOR REQUIREMENTS OF EDUCATIONAL CASEWORK.
11. SEE SPEC SECTION 115123 FOR REQUIREMENTS OF LIBRARY STACK SYSTEMS
12. SEE SPEC SECTION 123551 FOR REQUIREMENTS OF MUSIC INSTRUMENT STORAGE CABINETS.
13. ALL CABINETS AND DRAWERS IN THE PRE-KINDERGARTEN AND KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
14. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
15. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
16. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
17. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. ALL MARKERBOARDS (MB) IN LEARNING SPACES TO HAVE TACKSTRIP ABOVE OF EQUAL LENGTH.
19. PROVIDE 2" TACKSTRIP ALONG PERIMETER OF ALL CORE LEARNING SPACES AT 9'-0" AFF.

## KEY PLAN




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GP# 21553

PARTIAL SECOND FLOOR FURNISHING PLAN - AREA B

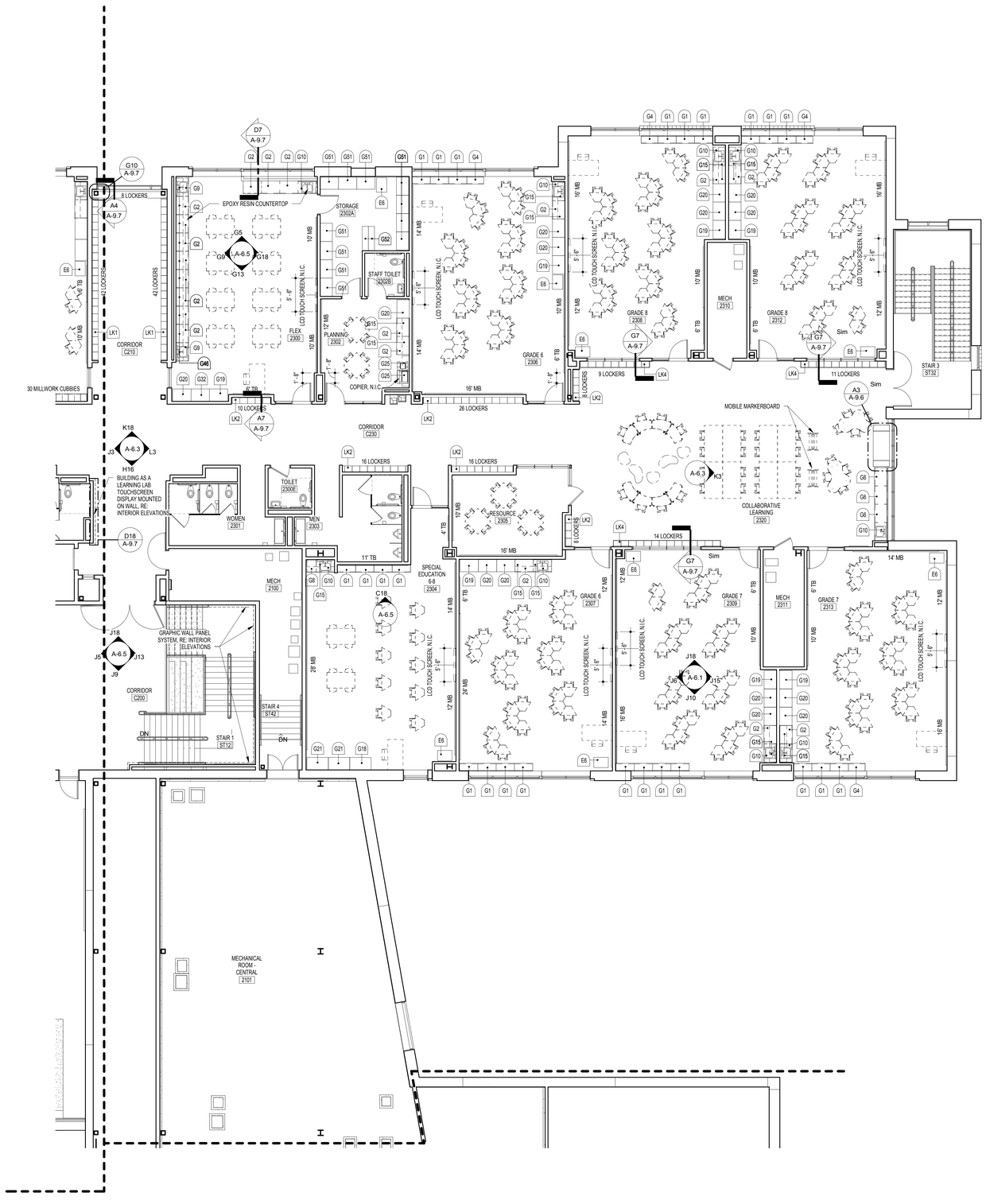
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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A15 PARTIAL SECOND FLOOR FURNITURE PLAN - AREA C
1/8" = 1'-0"

# GENERAL CASEWORK SCHEDULE

| ITEM | DESCRIPTION | SIZE (INCHES) W | D | H | MANUF. | MANUF. # | REMARKS |
|---|---|---|---|---|---|---|---|
| G1 | LOW SHELVES | 36 | 14 | 34 | STEVENS | 10101 | |
| G2 | BASE CABINET | 36 | 24 | 34 | STEVENS | 10129 | |
| G3 | BASE CABINET | 36 | 18 | 34 | STEVENS | 10129 | |
| G4 | LOW SHELVES | 33 | 14 | 34 | STEVENS | 10101 | |
| G5 | BASE CABINET | 36 | 24 | 30 | STEVENS | 10129 | |
| G6 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 34 | STEVENS | 10432 | |
| G7 | BASE CABINET - BLIND | 42 | 24 | 34 | STEVENS | 10200 | |
| G8 | BASE CABINET - LH | 18 | 24 | 34 | STEVENS | 10121 | |
| G9 | SINK BASE | 36 | 24 | 34 | STEVENS | 10479 | |
| G10 | ADA SINK BASE - ADULT | 36 | 24 | 34 | STEVENS | 10590 | |
| G11 | WALL CABINET - RH | 12 | 14 | 30 | STEVENS | 15120 | |
| G12 | WALL CABINET - LH | 12 | 14 | 30 | STEVENS | 15121 | |
| G13 | WALL CABINET | 24 | 14 | 30 | STEVENS | 15129 | |
| G14 | WALL CABINET | 36 | 14 | 18 | STEVENS | 15129 | |
| G15 | WALL CABINET | 36 | 14 | 30 | STEVENS | 15129 | |
| G16 | WALL CABINET - LH | 18 | 14 | 30 | STEVENS | 15121 | |
| G17 | WALL CABINET - RH | 24 | 14 | 30 | STEVENS | 15120 | |
| G18 | WARDROBE/STORAGE | 42 | 25 | 85 | STEVENS | 25602 | |
| G19 | WARDROBE/STORAGE | 36 | 25 | 85 | STEVENS | 25602 | |
| G20 | TALL STORAGE | 36 | 25 | 85 | STEVENS | 25181 | |
| G21 | TALL STORAGE | 42 | 25 | 85 | STEVENS | 25181 | |
| G22 | TALL SHELVES | 36 | 14 | 84 | STEVENS | 25101 | |
| G23 | SMALL BIN STORAGE | 42 | 24 | 59 | STEVENS | 24243 | |
| G24 | MED BIN STORAGE | 42 | 24 | 59 | STEVENS | 24245 | |
| G25 | WALL CABINET | 30 | 14 | 18 | STEVENS | 15129 | |
| G26 | STACK-ON CAB | 42 | 24 | 36 | STEVENS | 22510 | |
| G27 | TALL STORAGE | 48 | 29 | 84 | STEVENS | 25181 | |
| G28 | ADA SINK BASE - CHILD | 36 | 24 | 30 | STEVENS | 10585 | |
| G29 | VERTICAL BOARD STORAGE | 48 | 29 | 84 | STEVENS | 25517 | |
| G30 | PAPER STORAGE | 48 | 34 | 35 | STEVENS | 10403 | |
| G31 | TALL STORAGE - COMBINATION | 36 | 24 | 84 | STEVENS | 25374 | |
| G32 | TALL STORAGE - TRAY | 36 | 25 | 85 | STEVENS | 25271 | |
| G33 | WALL CLEANUP CENTER | 78 | 30 | 42 | STEVENS | 35344 | |
| G34 | BASE CABINET - BINS | 42 | 24 | 34 | STEVENS | 10245 | |
| G35 | BASE CABINET - DIVIDER | 42 | 24 | 34 | STEVENS | 10181 | |
| G36 | BASE CABINET - LH | 21 | 24 | 34 | STEVENS | 10121 | |
| G37 | LOW SHELVES | 36 | 15 | 30 | STEVENS | 10101 | |
| G38 | LOW SHELVES | 33 | 14 | 30 | STEVENS | 10101 | |
| G39 | BASE CABINET - SHELF AND DRAWER | 36 | 24 | 30 | STEVENS | 10432 | |
| G40 | MIRROR - 2' X 6' | 24 | 0 | 60 | | | |
| G41 | MIRROR - 4' X 6' | 48 | 0 | 72 | | | |
| G42 | INSTRUCTOR TABLE | 60 | 30 | 36 | STEVENS | 49350 | NO GAS VALVE |
| G43 | GOOGLE CABINET | 24 | 12 | 30 | STEVENS | 52192 | |
| G44 | BASE CABINET | 33 | 24 | 34 | STEVENS | 10129 | |
| G45 | WALL CABINET | 33 | 14 | 25 | STEVENS | 15129 | |
| G46 | WALL CABINET | 36 | 14 | 25 | STEVENS | 15129 | |
| G47 | WALL CABINET - RH | 12 | 14 | 25 | STEVENS | 15120 | |
| G48 | WALL CABINET - LH | 12 | 14 | 25 | STEVENS | 15121 | |
| G50 | METAL SHELVING | 36 | 12 | 87 | PER SPEC | PER SPEC | |
| G51 | METAL SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |
| G52 | METAL SHELVING | 48 | 12 | 87 | PER SPEC | PER SPEC | |
| G53 | METAL SHELVING | 48 | 24 | 87 | PER SPEC | PER SPEC | |
| G54 | METAL SHELVING | 48 | 15 | 87 | PER SPEC | PER SPEC | |
| G55 | WIRE SHELVING | 36 | 24 | 87 | PER SPEC | PER SPEC | |

# EQUIPMENT SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| E1 | REFRIGERATOR | GE | GIE18ETHWW | No |
| E2 | UNDER COUNTER ICE MAKER | MANITOWOC | RNS-0244 | No |
| E3 | ICE MACHINE | MANITOWOC | RNS-0385 | No |
| E4 | WASHING MACHINE | GE | GFW480SSKWW | No |
| E5 | DRYER | GE | GFD48ESSKWW | No |
| E6 | LAPTOP CHARGING CART | | | Yes |
| E7 | MICROWAVE | | | Yes |
| E8 | KILN | SKUTT | KM-1227-3 | |

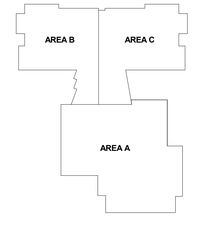
# LOCKER SCHEDULE

| ITEM | DESCRIPTION | MANUFACTURER | MODEL | NIC |
|---|---|---|---|---|
| LK1 | 2 ROW- 15"Wx12"Dx80"H SLOPE TOP | SEE SPEC | SEE SPEC | |
| LK2 | 2 ROW - 15"Wx12"Dx80"H | SEE SPEC | SEE SPEC | |
| LK3 | 2 ROW - 15"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK4 | 1 ROW 15"Wx12"Dx36"HS | SEE SPEC | SEE SPEC | |
| LK5 | 2 ROW - 12"Wx18"Dx72"H | SEE SPEC | SEE SPEC | |
| LK6 | 3 ROW - 12"Wx15"Dx72"H | SEE SPEC | SEE SPEC | |

# GENERAL FURNISHING AND EQUIPMENT NOTES

1. ALL CABINET HEIGHTS INCLUDE COUNTERTOPS. DIMENSIONS ARE TO THE NEAREST INCH.
2. DIVISIONS IN CASEWORK ARE SHOWN FOR CLARITY AND DO NOT REPRESENT BREAKS IN THE COUNTERTOP.
3. PROVIDE CONTINUOUS COUNTERTOP OVER ALL SIMILAR HEIGHT CASEWORK, UNLESS OTHERWISE NOTED.
4. MANUFACTURER AND CATALOG NUMBERS ARE FOR REFERENCE AND ILLUSTRATION PURPOSES ONLY. SEE SPECIFICATION FOR FULL CASEWORK REQUIREMENTS.
5. PROVIDE RESILIENT BASE FOR ALL CASEWORK THAT MEETS THE FLOOR ON FRONT AND EXPOSED SIDES AND BACK.
6. DOTTED LINES INDICATE WALL HUNG CABINETS, DIVISIONS OF BASE CABINETS BELOW THE COUNTERTOP, FURNITURE NOT IN THE CONTRACT OR PROJECTION SCREENS. SEE CASEWORK KEY AND SPECIFICATIONS.
7. ALL CABINETS AND DRAWERS TO HAVE CAM LOCKS EXCEPT FOR SINK BASE CABINETS.
8. ALL EXPOSED SURFACES (EXPOSED TO VIEW FROM ANY PERSPECTIVE) TO BE COVERED WITH LAMINATE.
9. ALL CASEWORK WHICH MEETS A WALL AT ONE OR BOTH ENDS, TO BE PROVIDED WITH FILLER PANELS AND SCRIBED TO THE WALL(S) AS REQUIRED.
10. SEE SPEC SECTION 123530 FOR REQUIREMENTS OF EDUCATIONAL CASEWORK.
11. SEE SPEC SECTION 115123 FOR REQUIREMENTS OF LIBRARY STACK SYSTEMS
12. SEE SPEC SECTION 123551 FOR REQUIREMENTS OF MUSIC INSTRUMENT STORAGE CABINETS.
13. ALL CABINETS AND DRAWERS IN THE PRE-KINDERGARTEN AND KINDERGARTEN ROOMS TO BE PROVIDED WITH RECESSED HANDLES.
14. ALL COUNTERTOP CORNERS SHALL BE 1/2" RADIUSED UNLESS OTHERWISE NOTED.
15. PROVIDE ADEQUATE BLOCKING IN STUD WALLS AND AT CMU WALLS FOR WALL-MOUNTED EQUIPMENT AND FURNISHINGS.
16. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK OR CASEWORK FABRICATION.
17. MILLWORK AND CASEWORK DRAWINGS ARE DIAGRAMMATIC IN NATURE TO SHOW DESIGN INTENT. ALL WORK TO BE DONE IN ACCORDANCE WITH SPECIFICATIONS. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. ALL MARKERBOARDS (MB) IN LEARNING SPACES TO HAVE TACKSTRIP ABOVE OF EQUAL LENGTH.
19. PROVIDE 2" TACKSTRIP ALONG PERIMETER OF ALL CORE LEARNING SPACES AT 9'-0" AFF.

# KEY PLAN




N

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PARTIAL SECOND FLOOR FURNISHING PLAN - AREA C

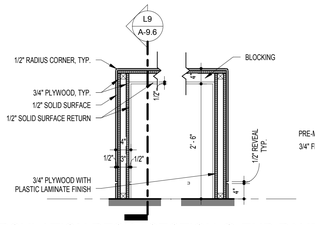
HOLABIRD ACADEMY PK-8
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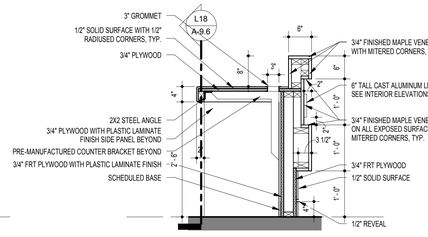
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03/13/2017
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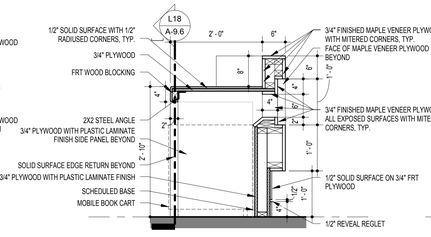
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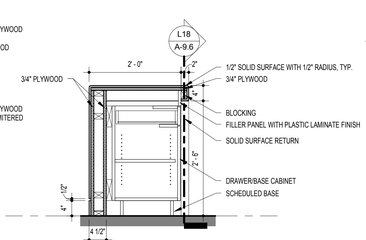

## L18 CIRCULATION DESK - SECTION @ END PANELS
3/4" = 1'-0"



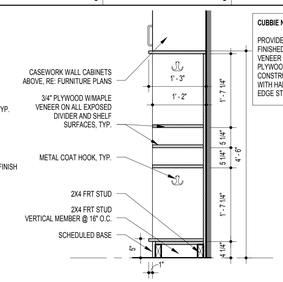

## L15 CIRCULATION DESK - SECTION @ COUNTER
3/4" = 1'-0"



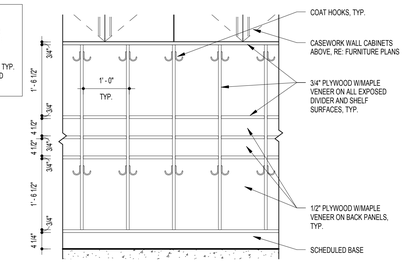

## L12 CIRCULATION DESK - SECTION @ BOOK DROP
3/4" = 1'-0"



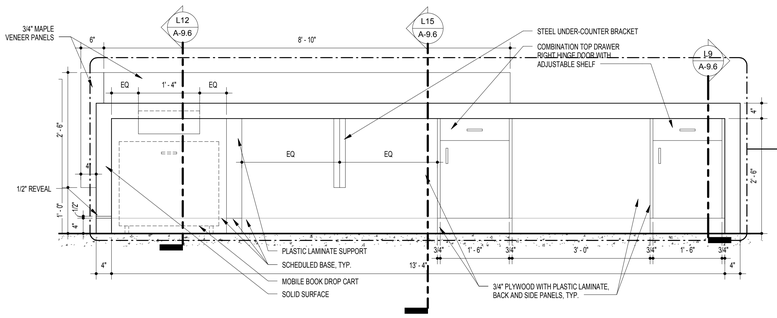

## L9 CIRCUTION DESK - SECTION @ CABINET
3/4" = 1'-0"



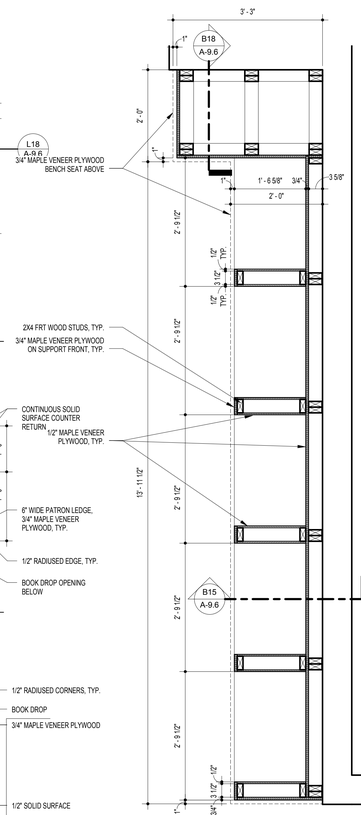

## L6 CUBBIES - SECTION
3/4" = 1'-0"

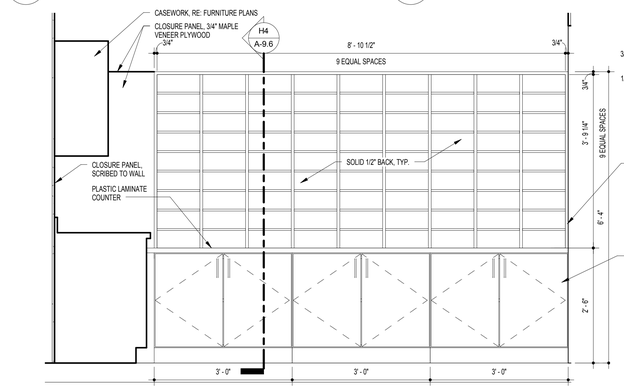



## L4 CUBBIES - ELEVATION
3/4" = 1'-0"

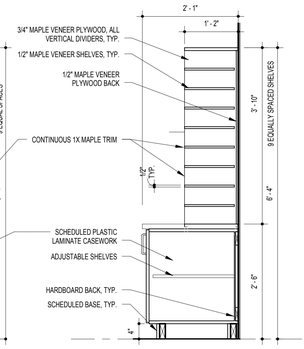



## H18 CIRCULATION DESK - ELEVATION 1
3/4" = 1'-0"

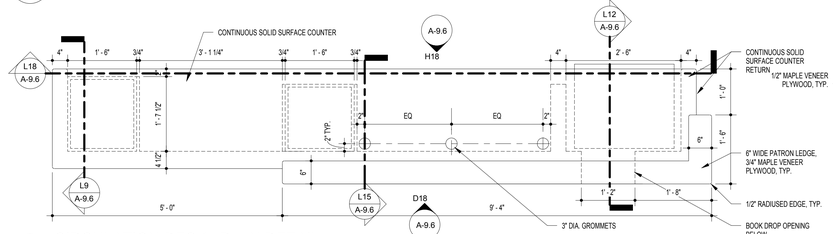


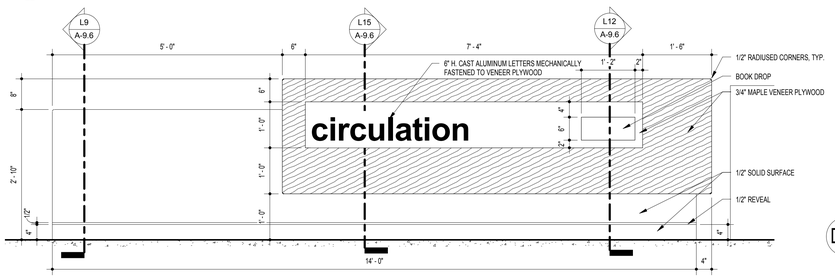

## H9 MAILBOXES - ELEVATION
3/4" = 1'-0"



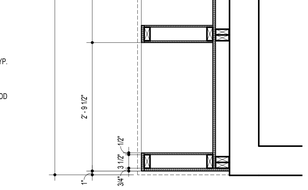

## H4 MAILBOXES - SECTION
3/4" = 1'-0"



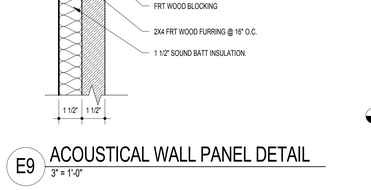

## F18 CIRCULATION DESK - PLAN DETAIL
3/4" = 1'-0"



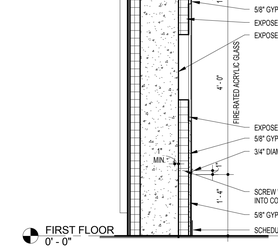

## D18 CIRCULATION DESK - ELEVATION 2
3/4" = 1'-0"



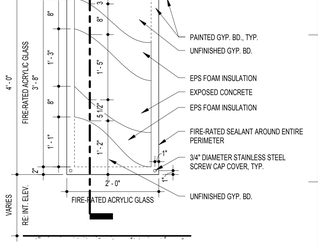

## D12 MEDIA STORAGE BENCH - PLAN DTL
3/4" = 1'-0"



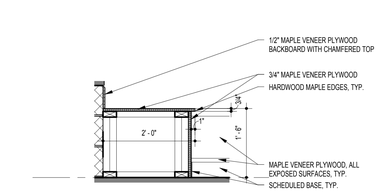

## E9 ACOUSTICAL WALL PANEL DETAIL
3" = 1'-0"



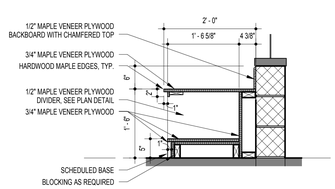

## E6 CUT AWAY WALL DISPLAY - SECTION
3/4" = 1'-0"



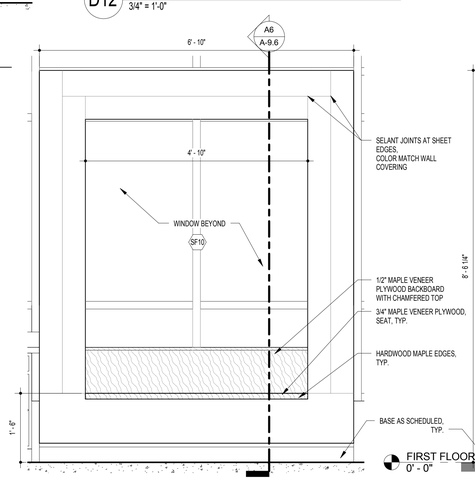

## E3 CUT AWAY WALL DISPLAY - ELEV
3/4" = 1'-0"



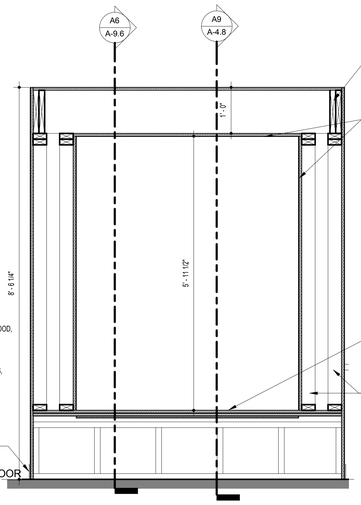

## B18 MEDIA STORAGE BENCH - SECTION 2
3/4" = 1'-0"



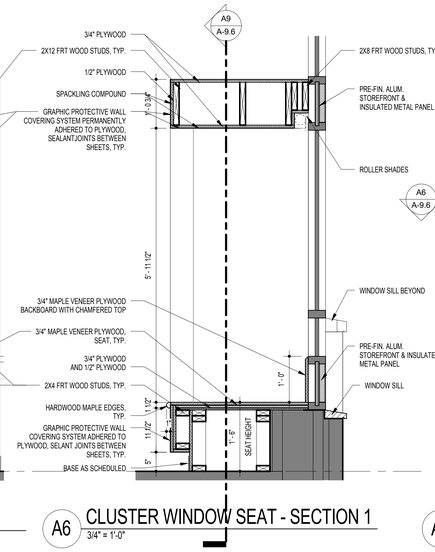

## B15 MEDIA STORAGE BENCH - SECTION 1
3/4" = 1'-0"



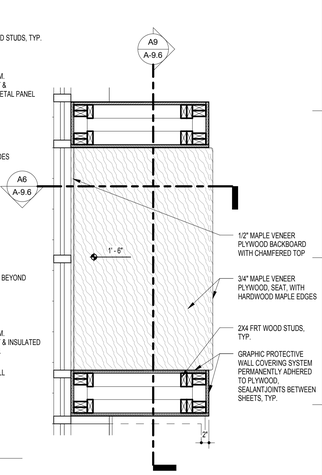

## A12 CLUSTER WINDOW SEAT ELEVATION
3/4" = 1'-0"




## A9 CLUSTER WINDOW SEAT - SECTION 2
3/4" = 1'-0"




## A6 CLUSTER WINDOW SEAT - SECTION 1
3/4" = 1'-0"




## A3 CLUSTER WINDOW SEAT - PLAN
3/4" = 1'-0"

## GENERAL MILLWORK NOTES

1. MILLWORK DRAWINGS ARE DIAGRAMATIC IN NATURE. ALL WORK IS TO BE DONE IN ACCORDANCE WITH SPECIFICATION SECTION 06400. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
2. CONTRACTOR TO FIELD VERIFY ALL CLEAR DEPINGS PRIOR TO MILLWORK FABRICATION.
3. NO BUTT JOINTS ALLOWED. ALL CONNECTIONS TO BE DADOED, CONTINUOUS SPLINE, TENONED OR BISCUIT JOINED.




## A15 TYPICAL COUNTER CORNER - PLAN DETAIL
3" = 1'-0"

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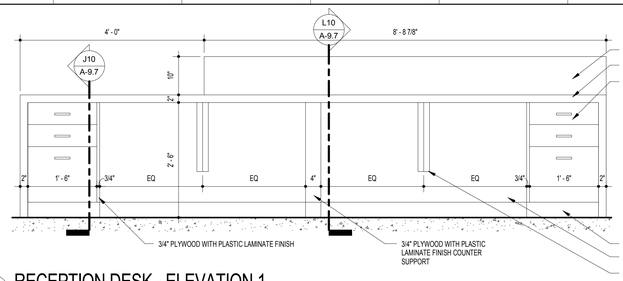
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**A-9.6**

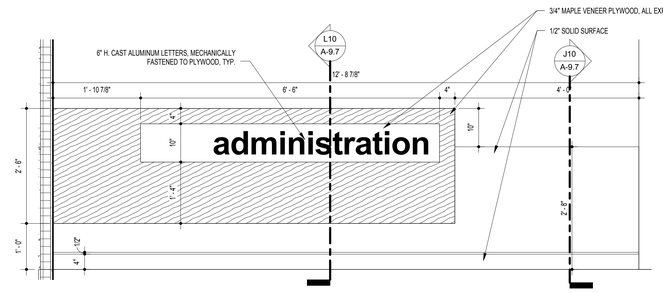
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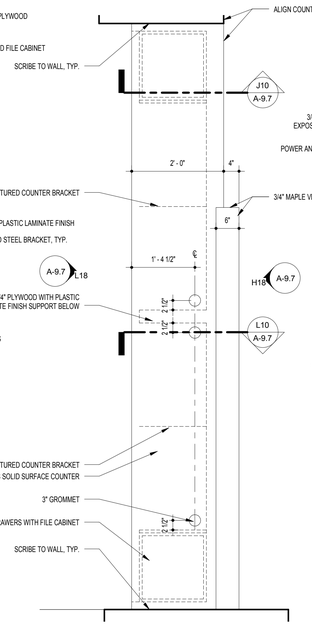
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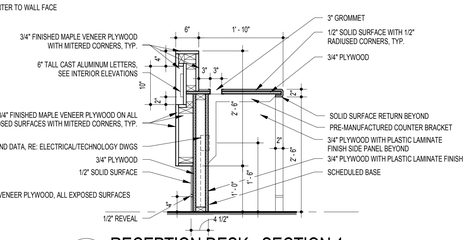

## L18 RECEPTION DESK - ELEVATION 1
3/4" = 1'-0"



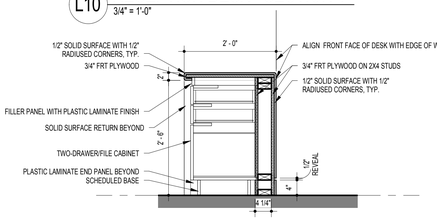

## H18 RECEPTION DESK - ELEVATION 2
3/4" = 1'-0"



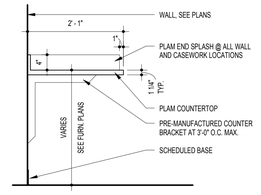

## H13 RECEPTION DESK - PLAN DETAIL
3/4" = 1'-0"



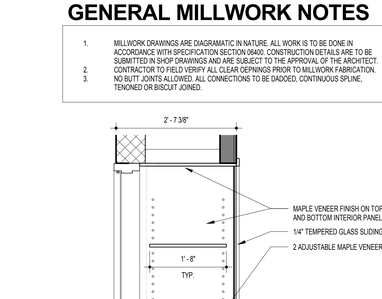

## L10 RECEPTION DESK - SECTION 1
3/4" = 1'-0"



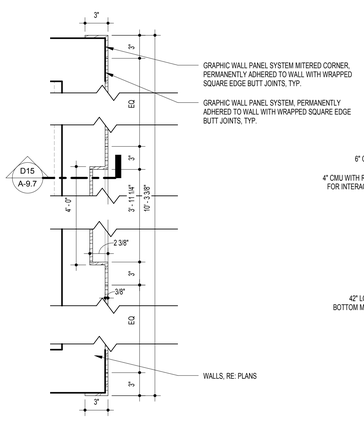

## J10 RECEPTION DESK - SECTION 2
3/4" = 1'-0"



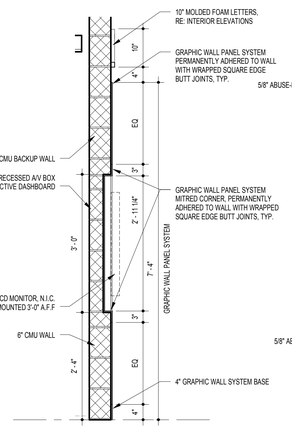

## J7 TYPICAL COUNTER DETAIL
3/4" = 1'-0"



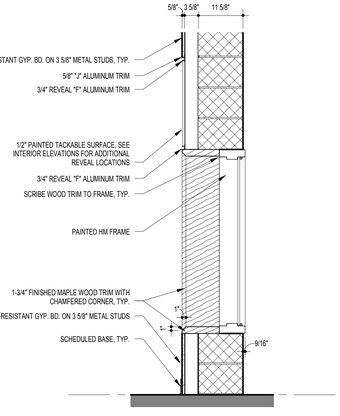

## J4 DOUBLE-SIDED DISPLAY CASE
3/4" = 1'-0"



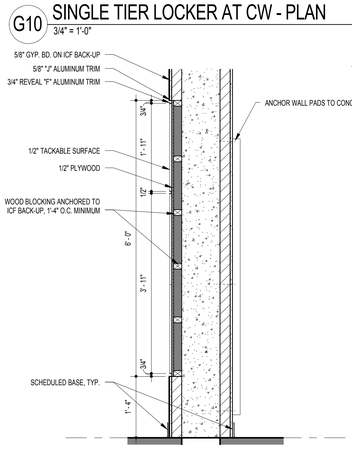

## D18 DASHBOARD WALL SYSTEM - PLAN
1 1/2" = 1'-0"



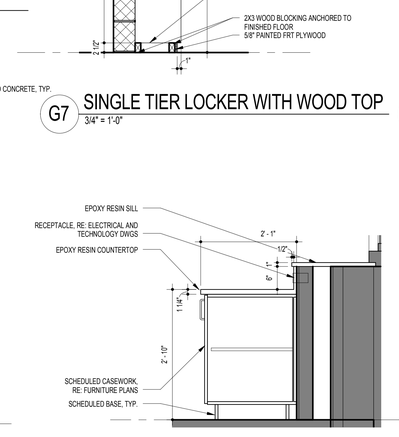

## D15 DASHBOARD WALL SYSTEM - SECTION
3/4" = 1'-0"



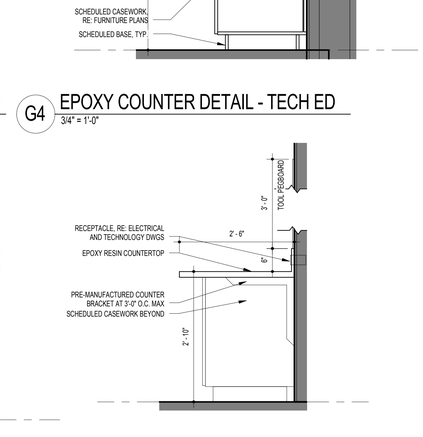

## D13 DINING DISPLAY - SECTION 1
3/4" = 1'-0"




## D10 DINING DISPLAY - SECTION 2
3/4" = 1'-0"




## G7 SINGLE TIER LOCKER WITH WOOD TOP
3/4" = 1'-0"



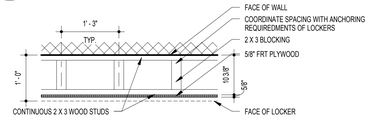

## G4 EPOXY COUNTER DETAIL - TECH ED
3/4" = 1'-0"



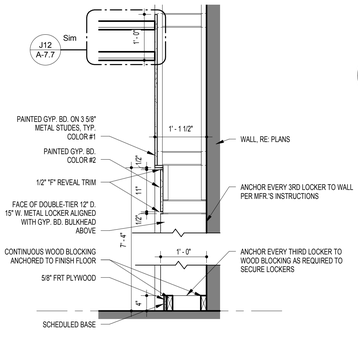

## D7 EPOXY COUNTER DETAIL - FLEX
3/4" = 1'-0"



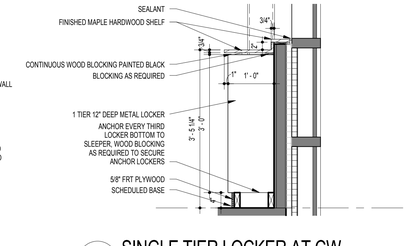

## D4 EPOXY COUNTER DETAIL - IT ADMIN
3/4" = 1'-0"



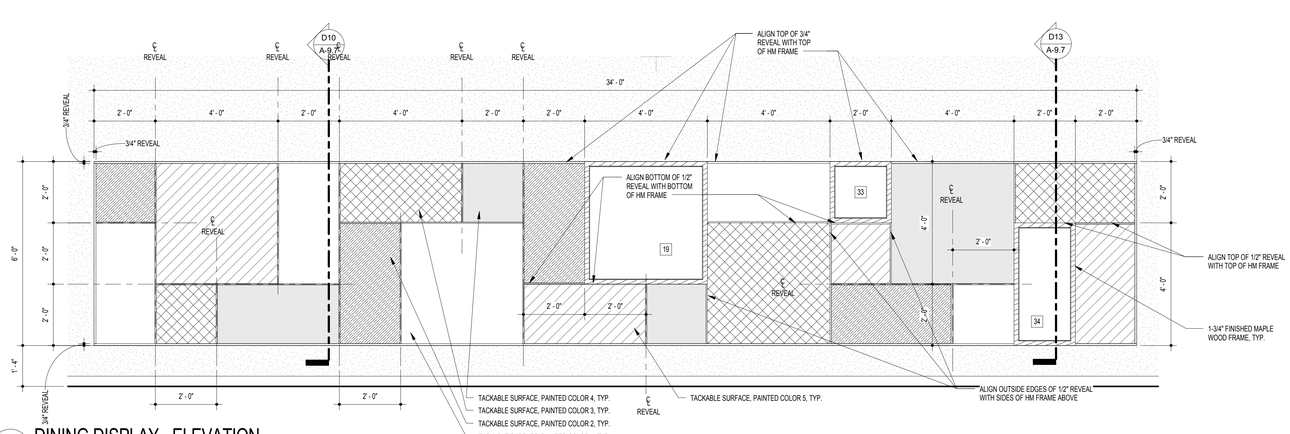

## C4 SINGLE TIER LOCKER PLAN DETAIL
3/4" = 1'-0"




## A7 RECESSED DOUBLE TIER LOCKERS
3/4" = 1'-0"




## A4 SINGLE TIER LOCKER AT CW
3/4" = 1'-0"




## A18 DINING DISPLAY - ELEVATION
1/2" = 1'-0"

## GENERAL MILLWORK NOTES

1. MILLWORK DRAWINGS ARE DIAGRAMATIC IN NATURE. ALL WORK IS TO BE DONE IN ACCORDANCE WITH SPECIFICATION SECTION 06400. CONSTRUCTION DETAILS ARE TO BE SUBMITTED IN SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ARCHITECT.
2. CONTRACTOR TO FIELD VERIFY ALL CLEAR OPENINGS PRIOR TO MILLWORK FABRICATION.
3. NO BUTT JOINTS ALLOWED. ALL CONNECTIONS TO BE DADOED, CONTINUOUS SPLINE, TENONED OR BISCUIT JOINED.

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MILLWORK DETAILS

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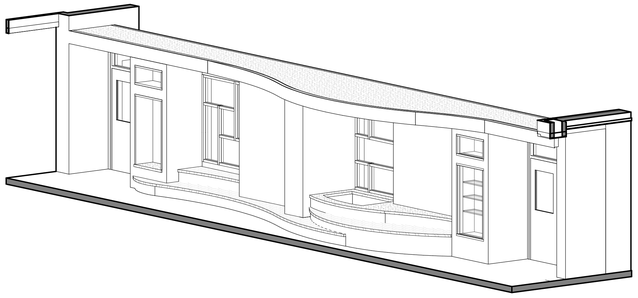
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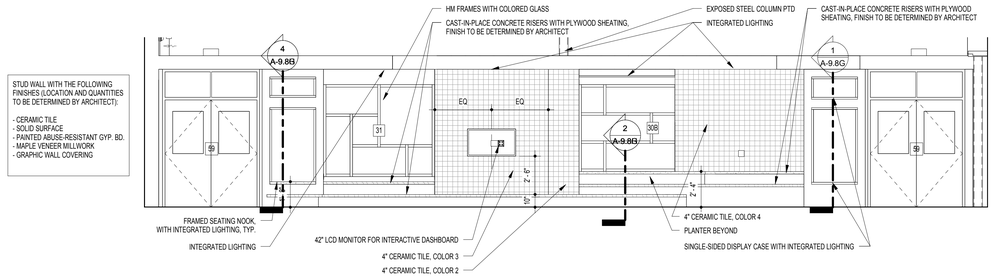
## GENERAL VIEW NOTE (NOTES APPLY TO ALL 3D VIEWS)

THIS AXONOMETRIC OR PERSPECTIVE VIEW IS TO AID IN THE GENERAL VISUALIZATION OF THE PROJECT. SOME ELEMENTS MAY BE MISSING FOR CLARITY.

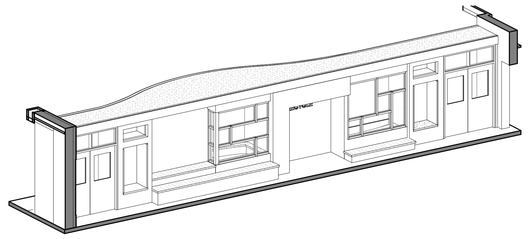
FOR CONSTRUCTION DETAILS, REFERENCE THE PLANS, SECTIONS, AND ENLARGED DETAILS AS WELL AS ENGINEERING DRAWINGS.



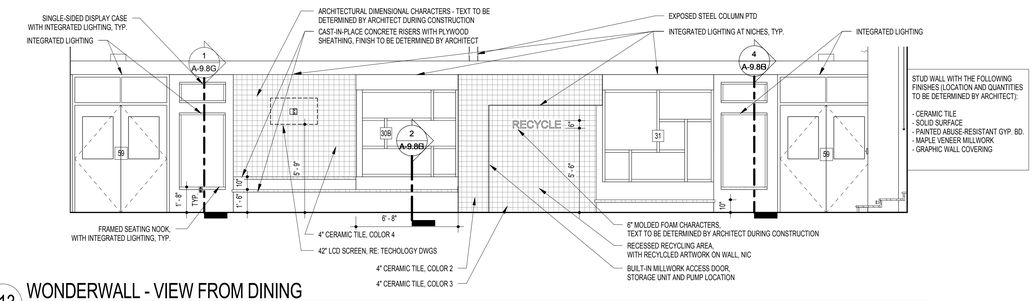
### 6 WONDERWALL - VIEW FROM CORRIDOR AXON



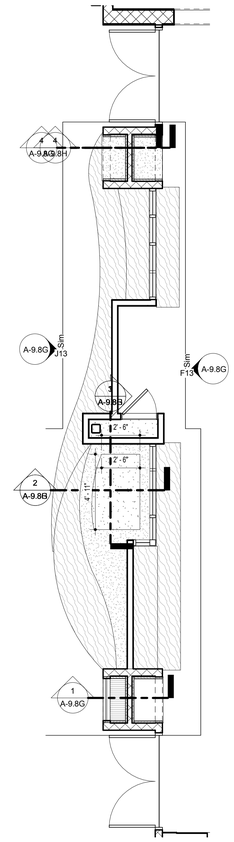

### J13 WONDERWALL - VIEW FROM CORRIDOR
1/4" = 1'-0"



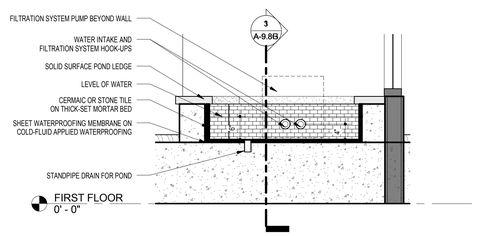
### 5 WONDERWALL - VEIW FROM DINING AXON



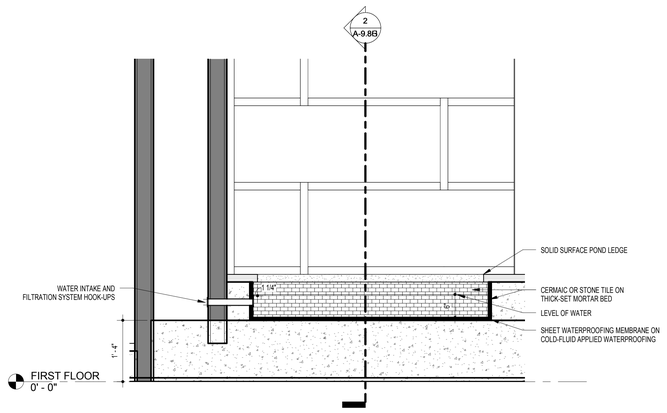

### F13 WONDERWALL - VIEW FROM DINING
1/4" = 1'-0"



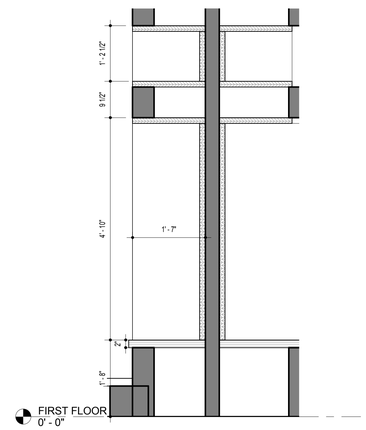
### 3 WONDERWALL - PLAN DETAIL
1/4" = 1'-0"




### 2 WONDERWALL - PLANTER EDGE DETAIL
3/4" = 1'-0"




### 1 WONDERWALL - PLANTER SECTION
3/4" = 1'-0"



### 4 WONDERWALL DOUBLE SIDED SEATING NOOK
3/4" = 1'-0"

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MILLWORK DETAILS - WONDER WALL

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

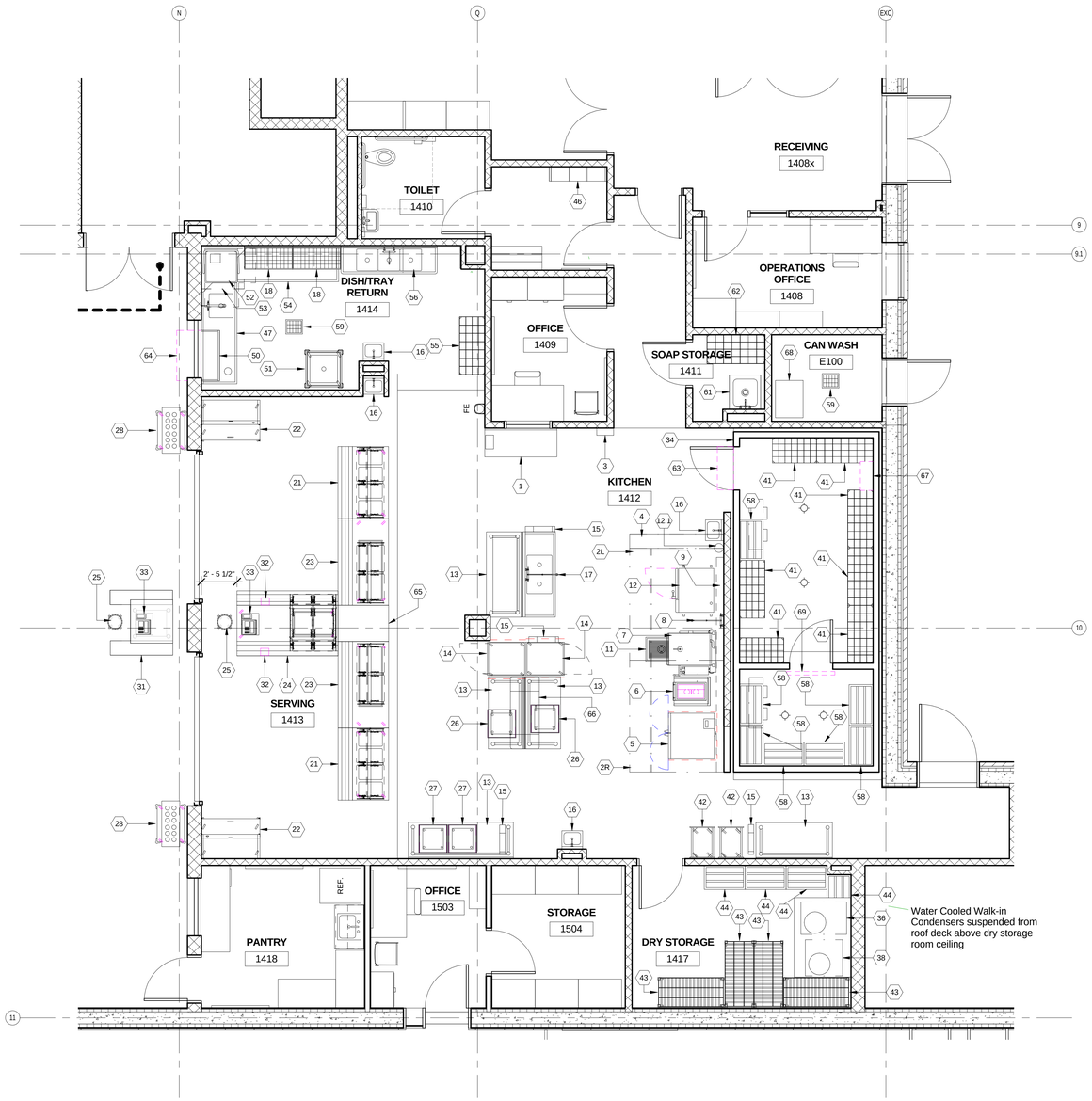
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1 KITCHEN EQUIPMENT PLAN-HOLABIRD

1/4" = 1'-0"

| FOOD SERVICE EQUIPMENT SCHEDULE-HOLABIRD | | | | | |
|---|---|---|---|---|---|
| ITEM NO. | QTY. | DESCRIPTION | MANUFACTURER | MODEL | COMMENTS |
| 1 | 1 | Stainless Steel Top Work Tables with Can Opener | John Boos | ST4R5-SBK | |
| 2L | 1 | Exhaust Hood | Halton | KVEWWUV | |
| 2R | 1 | Exhaust Hood | Halton | KVEWWUV | |
| 3 | 1 | Fire Suppression System | Ansul | Piranha | |
| 4 | 1 | Exhaust Hood Control Panel | Halton | | |
| 5 | 1 | Double Deck Convection Oven-Gas | Duke | 613Q-G2V | |
| 6 | 1 | Induction Green Heat | Cleveland | SGL-30-T1 | |
| 7 | 1 | Tilting Skillet | Legion | CSG41-7 | Insulated |
| 8 | 1 | Pot Filler | T&S Brass and Bronze Works, Inc. | B-0598 | |
| 9 | 1 | S/S Wall Panel with Gasket | Fabricator | Custom | |
| 10 | 1 | Drain Water Tempering | Hobart | | |
| 11 | 1 | Anti-Splash Floor Trough | Eagle Group | ASFT-1830-SG | |
| 12 | 1 | Combination Oven | Convotherm | C4ED6.10EB | |
| 12.1 | 1 | Water Filtration System | Everpure | CB20-124E | |
| 13 | 5 | Mobile Work Table w/ Overshelves | Advance Tabco | KSS-305 | w/ overshelves |
| 14 | 2 | Mobile Hot Food holding Cabinet | Metro | C599-SDS-U | Power VIA Electric Reel |
| 15 | 4 | Ceiling Hung Cord Reel | Murrell | HBL45123TL20 | By Electrical Division |
| 16 | 4 | Hand Sink | Advance Tabco | 7-PS-62 | |
| 17 | 1 | Two (2) Compartment Sink | AERO Manufacturing | 2F2-2116-18LR | |
| 18 | 2 | Wall Grid Shelving Unit | Metro | SWK36-1 | |
| 21 | 2 | Mobile 4-Well Hot Food Table w/ Food Guard w/ Lights and Tray Slide | Delfield | DC-H4 | ,I |
| 22 | 2 | Mobile Milk Chest | Piper | MILK-8 | |
| 23 | 2 | Mobile Cold Pan w/ Food Guard w/ Lights and Tray Slide | Duke | DC-MC4 | |
| 24 | 1 | Utility Counter w/ Frost Top and Double-Sided Display and Cashier Counter with Twin Tray Slide | Delfield | SCFT-50-NU | |
| 25 | 2 | Stool | Nexel | HB18 | |
| 26 | 2 | Mobile Trash Can and Dolly | Rubbermaid | FG354000BLA | By Owner |
| 27 | 2 | Mobile Recycle Bin | Rubbermaid | FG354000BLA | By Owner |
| 28 | 2 | Tray and Flatware Cart | Vollrath | 99305 | |
| 31 | 1 | Mobile Cashier Station w/ Twin Tray Slides | Delfield | | VIA Flor Outlets |
| 32 | 2 | Floor Power & Data Outlet | | | See Electrical Drawings |
| 33 | 2 | Cash Register & Card Scanner | | | By Owner; VIA Floor Outlet |
| 34 | 1 | Walk-in Cooler/Freezer | | | |
| 35 | 1 | Evaporator, 34'F | MasterBilt | E1HZ0130A | Water Cooled |
| 36 | 1 | Condenser, 34'F | MasterBilt | SHHZ015 | |
| 37 | 1 | Evaporator, -10'F | MasterBilt | E1HZ0075B | Water Cooled |
| 38 | 1 | Condenser, -10'F | MasterBilt | SHZ0Z0WC | |
| 41 | 7 | Mobile Walk-in Shelving | Metro | MQ2148Q | |
| 42 | 2 | Mobile Pan Rack | Advance Tabco | NR20 | |
| 43 | 4 | Mobile Shelving Unit | Metro | 2448NS | 3-Double Tier |
| 44 | 4 | Dry Storage Dunnage Rack | John Boos | JB | |
| 46 | 1 | Locker | Global | Paramount | |
| 47 | 1 | Soiled Dishtable | AERO Manufacturing | 3SD-L-84 | |
| 50 | 1 | Glass Rack Overshelf | Advance Tabco | DTR-6R-13 | |
| 51 | 1 | Mobile Soak Sink | John Boos | PB-SOSINK18-20H | |
| 52 | 1 | Door Type Dishwasher | Hobart | PW10ER-1 | |
| 53 | 1 | Condensate Hood | John Boos | C2H-36-2 | |
| 54 | 1 | Clean Dishtable | AERO Manufacturing | 3CD-R-84 | |
| 55 | 1 | Mobile Pot/Pan Rack | Metro | 2448NS | |
| 56 | 1 | Pro-Bowl Sinks - 16 Gauge | John Boos | 3PB184-2D18 | To Grease Trap |
| 58 | 7 | Walk-In Dunnage Rack | John Boos | JB | |
| 59 | 2 | Area Floor Drain | IMC Teddy | FDSS-1212 | |
| 61 | 1 | Mop Sink | IMC Teddy | DL-2 | |
| 62 | 1 | Chemical Storage Shelving | Metro | 2448NS | |
| 63 | 1 | Air Curtain | Berner | SLC07-1036A | |
| 64 | 1 | Tray Return Window | AERO Manufacturing | Custom | Integral to #47, Soiled Dishtable |
| 65 | 1 | Non-Mobile Filler Section | Delfield | Custom | Integral to #31, Mobile Cashier Station w/ Twin Tray Slides |
| 66 | 1 | Ceiling Pot Rack | AERO Manufacturing | CPS-60 | |
| 67 | 1 | Air Treatment System | Franke | APS | |
| 68 | 1 | Mobile High Pressure Washer | Sage | 061107R | |
| 69 | 1 | Strip Curtain | Berner | ESA040084 | |

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GP# 21553

FOOD SERVICE EQUIPMENT PLAN

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

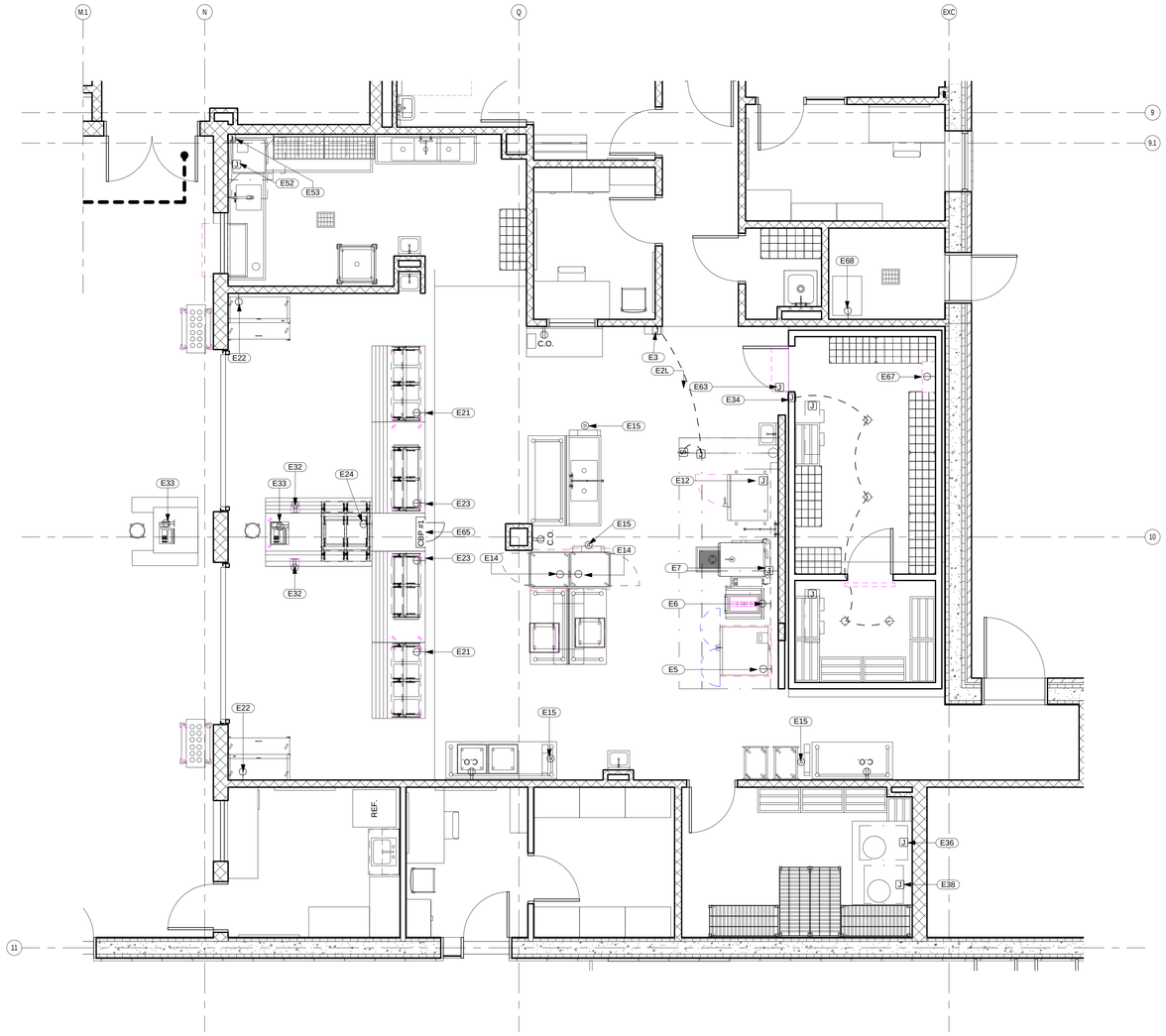
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| ELECTRICAL SYMBOLS | |
|---|---|
| | SINGLE RECEPTACLE |
| | DUPLEX RECEPTACLE |
| C.O. | CONVENIENCE OUTLET<br>Dedicated 20 AMP Circuit |
| J | JUNCTION BOX |
| $ | SWITCH |
| CBP #X | CIRCUIT BREAKER PANEL |
| | RECTRACTABLE CEILING CORD WITH RECEPTACLE |
| | EQUIPMENT LIGHT FIXTURE |
| D | DATA CONNECTION |
| F | RECESSED FIRE SYSTEM PULL STATION |
| | CONDUIT STUB-UP |
| | ELECTRICAL INTERCONNECTION |

**ELECTRICAL SPOT CONNECTION NOTES**

**ENGINEER**

1. THIS IS NOT A ROUGH-IN DRAWING. DIMENSIONED ROUGH-IN AND SLEEVE DRAWINGS WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. THIS IS ONLY FOR REFERENCE AND THE USE OF THE PROJECT ELECTRICAL ENGINEERS IN PREPARING THEIR DRAWINGS.

2. ALL KITCHEN ELECTRICAL OUTLETS WILL BE GFI.

3. ELECTRICAL DIVISION IS RESPONSIBLE FOR:
- ALL WIRING, CONDUIT, FITTINGS AND LABOR UP TO AND INCLUDING FINAL CONNECTIONS
- PROVISION OF AREA SUB-PANELS IN LIEU OF DISCONNECT SWITCHES WHEREVER POSSIBLE
- PROVISION OF ALL EXPOSED HARDWARE AND FIXTURES IN CHROME OR STAINLESS STEEL AND WATERPROOF
- COORDINATION OF PANEL BOARDS WITH 20% SPARE CAPACITY; FULLY SIZE FEEDERS AND MAIN CIRCUIT BREAKERS
- PROVISION OF SHUNT-TRIP BREAKERS FOR COOKING EQUIPMENT AS REQUIRED
- PROVISION OF GROUND-FAULT BREAKERS FOR EQUIPMENT AS REQUIRED
- EMPTY CONDUIT FOR CONTROL/COMPUTER WIRING AS REQUIRED

**GENERAL CONTRACTOR / TRADE**

4. SERVICES SHOWN RELATE TO FOODSERVICE EQUIPMENT REQUIREMENTS ONLY AND SHOW ONLY THE POINT OF CONNECTION, OR IF THE EQUIPMENT IS PROVIDED WITH A CORD AND CAP, THE PREFERRED LOCATION FOR THE EQUIPMENT OUTLET RECEPTACLE. CONVENIENCE RECEPTACLES, SWITCHES, CLOCK OUTLETS, TELEPHONE, COMPUTER CONDUITS, HVAC, LIGHTING AND OTHER POWER REQUIREMENTS ARE SHOWN ON ARCHITECTURAL/ENGINEERING DRAWINGS.

5. ELECTRICAL DIVISION IS RESPONSIBLE FOR:
- INTER-WIRING VENTILATOR, FIRE SUPPRESSION, WASTE DISPOSAL, REMOTE REFRIGERATION POWER, AND WALK-IN REFRIGERATION CONTROL WIRING. ALL OTHER ELECTRICAL WORK WITHIN FABRICATED EQUIPMENT WILL BE BY THE KEC, READY FOR FINAL SINGLE POINT CONNECT
- EXPOSED CONDUIT SHALL BE SET MINIMUM ½" AWAY FROM WALLS TO FACILITATE CLEANING
- MOUNTING LIGHT FIXTURES IN WALK-INS; CONDUIT TO BE OUTSIDE OF WALK-IN; PENETRATIONS, FIXTURES AND LAMPS FURNISHED BY KEC; DIVISION 15 TO SEAL PENETRATIONS
- PROVISION AND INSTALLATION OF GAS RESET SWITCH.
- ELECTRICAL CONNECTIONS AND STUB UPS SHALL NOT REQUIRE GREATER THAN 6" CLEARANCE FROM WALL TO REAR OF EQUIPMENT UNDER EXHAUST HOOD CANOPY

6. KEC REFRIGERATION CONTRACTOR SHALL PROVIDE AND INSTALL HEAT TAPE FOR WALK-IN FREEZER CONDENSATE DRAIN LINE; USE 18" OF TAPE PER LINEAL FOOT

7. FIRE SUPPRESSION AGENT & PIPING BY KEC'S FIRE SUPPRESSION CONTRACTOR; ELECTRICAL AND SIGNAL CONNECTIONS FOR FIRE SUPPRESSION BY ELECTRICAL CONTRACTOR.

FOOD SERVICE ELECTRICAL SCHEDULE-HOLABIRD

| ITEM NO. | QTY. | DESCRIPTION | CONN TYPE | VOLTS | PHASE | AMPS | WATTS | HP | CONN HGT | PLUG TYPE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L | 1 | Exhaust Hood | Junction Box | 115 V | 1 | 5 A | | | 8' - 8" | | Lights from Control Panel; UV Lamps from Control Panel; HW From Control Panel; Drain to Grease Trap |
| 2R | 1 | Exhaust Hood | Junction Box | 115 V | 1 | 5 A | | | 8' - 8" | | Lights from Control Panel; UV Lamps from Control Panel; HW From Control Panel; Drain to Grease Trap |
| 3 | 1 | Fire Suppression System | Junction Box | 0 V | 0 | 0 A | | | 8' - 0" | | Control wirinf: Signal connection to bldg fire alarm panel and shunt trip breakers |
| 4 | 1 | Exhaust Hood Control Panel | Junction Box | 115 V | 1 | 8 A | | | 8' - 6" | | Five Connections: Lights; UV Lamps; To Fan Starter; Drain to FFD |
| 5 | 1 | Double Deck Convection Oven-Gas | (2) Junction Box | 115 V | 1 | 4 A | | | 0' - 11 3/4" | NEMA 5-15P | Via Shunt Trip Breakers |
| 6 | 1 | Induction Green Heat | Single Receptacle | 208 V | 3 | 22 A | 7000 W | | 2' - 8" | NEMA 6-20P | Via Shunt Trip Breakers |
| 7 | 1 | Tilting Skillet | Junction Box | 120 V | 1 | 1 A | | | 1' - 4" | NEMA 5-15P | Via Shunt Trip Breakers |
| 12 | 1 | Combination Oven | Junction Box | 208 V | 1 | 25 A | 9 W | | 2' - 0" | | Via Shunt Trip Breakers |
| 14 | 2 | Mobile Hot Food holding Cabinet | Single Receptacle | 120 V | 1 | 18 A | | | 2' - 0" | NEMA 5-20P | Power via #15 |
| 15 | 4 | Ceiling Hung Cord Reel | Single Receptacle | 120 V | 1 | 18 A | | | 9' - 0" | NEMA 5-15P | Convenience Outlet |
| 21 | 2 | Mobile 4-Well Hot Food Table w/ Food Guard w/ Lights and Tray Slide | Single Receptacle | 208 V | 1 | 20 A | 4000 W | | 0' - 6" | NEMA 14-30P | |
| 22 | 2 | Mobile Milk Chest | Single Receptacle | 120 V | 1 | 11 A | 1260 W | 1/3 | 1' - 0" | | 230-240/50/1 |
| 23 | 2 | Mobile Cold Pan w/ Food Guard w/ Lights and Tray Slide | Single Receptacle | 115 V | 1 | 7 A | | 1/4 | 0' - 6" | NEMA 5-15P | |
| 24 | 1 | Utility Counter w/ Frost Top and Double-Sided Display and Cashier Counter with Twin Tray Slide | Single Receptacle | 115 V | 1 | 8 A | | 1/4 | 0' - 6" | NEMA 5-15P | Outlet in base of #24 for Frost Top |
| 32 | 2 | Floor Power & Data Outlet | Duplex Receptacle | 120 V | 1 | 7 A | | | 0' - 6" | | |
| 33 | 2 | Cash Register & Card Scanner | Duplex Receptacle | 120 V | 1 | | | | 2' - 0" | NEMA | Data Connection to Office; Power and Data via #32 |
| 34 | 1 | Walk-in Cooler/Freezer | Junction Box | 115 V | 0 | 8 A | | | 6' - 4" | | Lights, Window Heater |
| 35 | 1 | Evaporator, 34'F | Junction Box | 115 V | 1 | 2 A | | | 7' - 2" | | |
| 36 | 1 | Condenser, 34'F | Junction Box | 208 V | 3 | 8 A | | | 9' - 0" | | |
| 37 | 1 | Evaporator, -10'F | Junction Box | 208 V | 1 | 7 A | | | 7' - 2" | | |
| 38 | 1 | Condenser, -10'F | Junction Box | 208 V | 3 | 10 A | | | 9' - 0" | | |
| 52 | 1 | Door Type Dishwasher | Direct Connection | 208 V | 3 | 45 A | | | 1' - 1 1/4" | | Built-in Booster Heater |
| 63 | 1 | Air Curtain | Junction Box | 120 V | | 3 A | | 1/5 | 7' - 0" | | |
| 65 | 1 | Non-Mobile Filler Section | CBP #1 | 208 V | 3 | 50 A | | | 2' - 0" | | 120/208 V load center, Serves #21, #23, and #24 |
| 67 | 1 | Air Treatment System | Single Receptacle | 120 V | 1 | 2 A | | | 6' - 0" | | |
| 68 | 1 | Mobile High Pressure Washer | Single Receptacle | 115 V | 1 | 12 A | | 1.5 | 2' - 0" | | |

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FOOD SERVICE ELECTRICAL SPOT CONNECTION PLAN

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

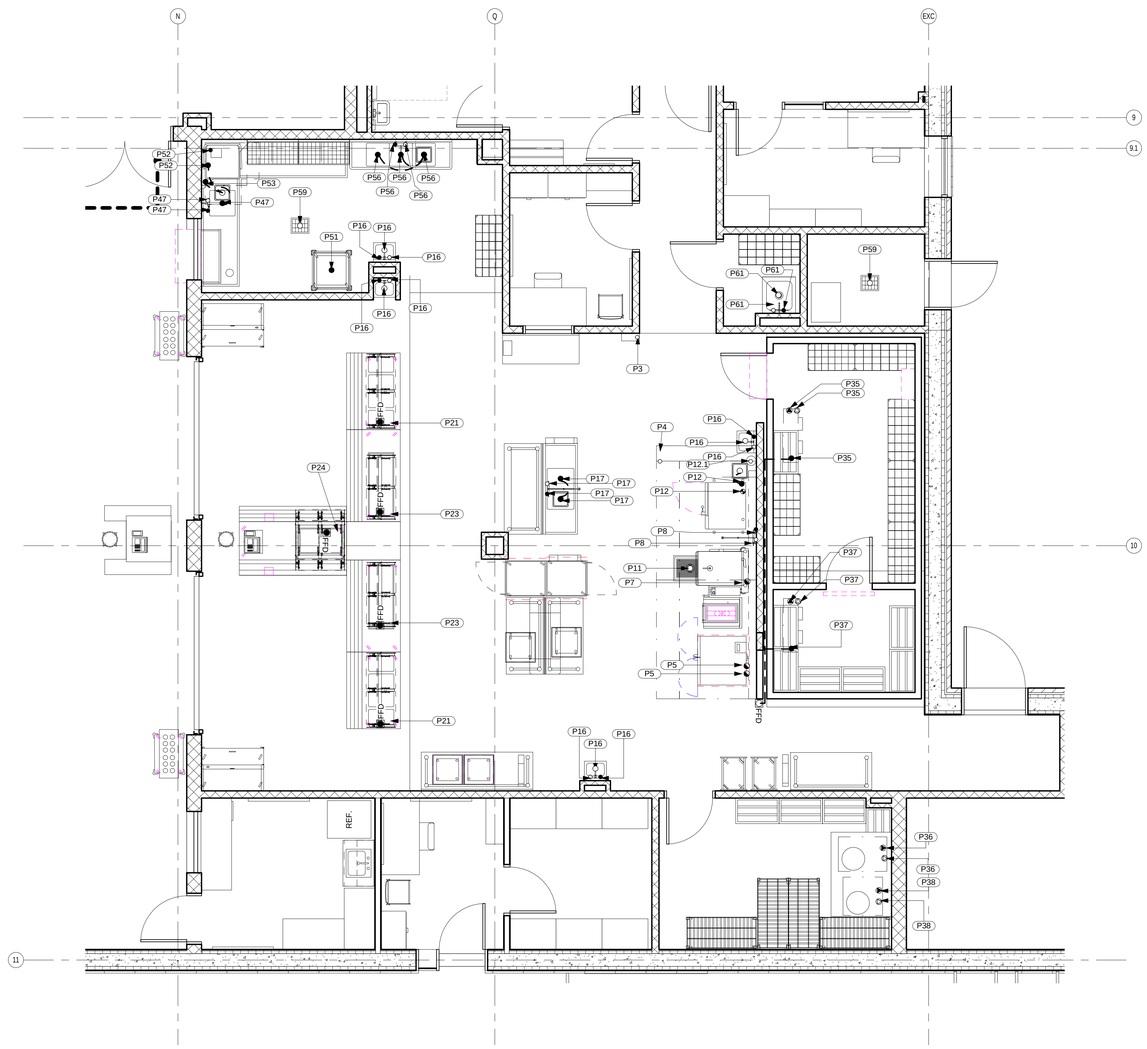
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1 KITCHEN PLUMBING PLAN-HOLABIRD

1/4" = 1'-0"

| PLUMBING SYMBOLS |
|---|
| COLD WATER |
| HOT WATER |
| HOT AND COLD WATER |
| FILTERED WATER |
| DIRECT WASTE |
| INDIRECT WASTE |
| INDIRECT WASTE DRAIN LINE |
| FLOOR SINK NO GRATE |
| FFD FUNNEL FLOOR DRAIN |
| GAS |
| REFRIGERANT LIQUID LINE |
| REFRIGERANT SUCTION LINE |
| PLUMBING INTERCONNECTION |

**PLUMBING SPOT CONNECTION NOTES**

**ENGINEER**

1. THIS IS NOT A ROUGH-IN DRAWING. DIMENSIONED ROUGH-IN AND SLEEVE DRAWINGS WILL BE PROVIDED BY THE KITCHEN EQUIPMENT CONTRACTOR. THIS IS ONLY FOR REFERENCE AND THE USE OF THE PROJECT MECHANICAL ENGINEERS IN PREPARING THEIR DRAWINGS.

2. PLUMBING/MECHANICAL DIVISION IS RESPONSIBLE FOR:
   - ALL WATER, WASTE, GAS, STEAM AND HVAC SERVICE TO VALVES, STOPS, CLEANOUTS, INSULATION, INSULATION COVERS, AND HARDWARE UP AND INCLUDING FINAL CONNECTIONS.
   - PROVISION OF ALL EXPOSED PIPING AND FITTINGS IN CHROME OR STAINLESS STEEL
   - PROVISION OF HARD COPPER FOR WALK-IN DRAIN LINES
   - INDIVIDUALLY VALVING EACH SUPPLY CONNECTION
   - PROVIDING GREASE TRAPS. NOTE: INLET TO GREASE TRAP FROM THREE COMPARTMENT SINK SHALL NOT EXCEED 9½" FROM CENTER LINE OF INTERCEPTOR TO FINISHED FLOOR. MAXIMUM REQUIRED FLOW RATE FOR ALL THREE SINK BOWLS TO INTERCEPTOR IS 36 GPM.

3. DIV 16 SHALL COORDINATE WITH THE ARCHITECT FOR AN ACCESS PANEL WITH INSPECTION WINDOW FOR THE GAS VALVES IN PUBLIC AREAS.

4. ALL EXPOSED GAS PIPE IN KITCHEN AREAS SHALL BE PAINTED YELLOW WITH EPOXY PAINT.

**GENERAL CONTRACTOR / TRADE**

5. SERVICES SHOWN RELATE TO THE FOOD SERVICE EQUIPMENT REQUIREMENTS ONLY AND SHOW ONLY THE POINT OF CONNECTION OR IF THE EQUIPMENT IS PROVIDED WITH A QUICK DISCONNECT OUTLET. SEE THE ARCHITECTURAL/ENGINEERING DRAWINGS FOR ADDITIONAL REQUIREMENTS.

6. PLUMBING/MECHANICAL DIVISION IS RESPONSIBLE FOR:
   - WALK-IN DRAIN LINES GRAY EPOXY COATED WHERE EXPOSED; SET LINES SECURELY AND MINIMUM ¾" CLEAR OF WALLS AND MINIMUM 3" ABOVE FLOOR WITH PIPE SUPPORTS.
   - PROVISION OF P-TRAPS AT WALK-IN FUNNEL FLOOR DRAINS.
   - INTERCONNECTION VENTILATORS AND CONTROL PANELS, HOOD DETERGENT SYSTEMS, WASTE SYSTEMS AND WAREWASHER BOOSTER HEATER
   - INSTALLING FIRE CONTROL SHUT-OFF VALVE PROVIDED BY KEC
   - PLUMBING CONNECTIONS SHALL NOT REQUIRE GREATER THAN 6" CLEARANCE FROM WALL TO REAR OF EQUIPMENT UNDER EXHAUST HOOD CANOPY

7. FIRE SUPPRESSION AGENT & PIPING BY KEC'S FIRE SUPPRESSION CONTRACTOR

8. THE KEC SPECIFICATIONS CLEARLY DEFINE EACH TRADES RESPONSIBILITIES FOR FOODSERVICE INSTALLATIONS. ALL TRADES ARE URGED TO BECOME FAMILIAR WITH THE SPECIFICATIONS.

9. KEC'S REFRIGERATION CONTRACTOR SHALL INSULATE INDIRECT WASTE LINES FROM WALK-IN FREEZER; INCLUDING AND CONNECTING 6-WATTS PER LINEAL FOOT OF HEAT TAPE. PROVIDE PENETRATIONS IN PANELS FOR DRAIN LINES,

10. THE HEAT TRANSFER AREA SHALL BE INCREASED BY CONTINUOUS TANGENTIAL FILLETS OF HEAT CONDUCTING PASTE.

11. FOR ALL COMPRESSORS, PROVIDE EXPANSION VALVE AND DEFROST TIME CLOCK AS REQUIRED.

12. CONTRACTOR SHALL INSTALL DOOR STOPS FURNISHED BY KEC TO PROTECT DRAIN LINES AS REQUIRED.

13. WASTE WATER FROM ALL APPLICABLE FOOD SERVICE EQUIPMENT WILL BE INDIVIDUALLY PLUMBED TO AN OPEN SITE DRAIN WITH A MINIMUM OF ONE INCH AIR GAP AND TAPER CUT FACING AWAY FROM WALK WAY.

FOOD SERVICE PLUMBING SCHEDULE-HOLABIRD

| ITEM NO. | QTY. | DESCRIPTION | COLD WATER SIZE | COLD WATER CONN HGT | HOT WATER SIZE | HOT WATER CONN HGT | Filtered Water Supply Size | Filtered Water Connection Height | DIRECT WASTE SIZE | DIRECT WASTE CONN HGT | INDIRECT WASTE SIZE | INDIRECT WASTE CONN HGT | GAS INPUT | GAS SIZE | GAS CONN HGT | REFRIGERANT RLL SIZE | REFRIGERANT RSL SIZE | REFRIGERANT TYPE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2L | 1 | Exhaust Hood | | | 1" | 8' - 8" | | | | | 2" | 80" | | | | | | | Hot Water from Item #3; Interconnect to each hood section; manifold drain from right section to left section; s/s vertical pipe drop to grease trap via floor sink; see HFS Detail 5.70 |
| 2R | 1 | Exhaust Hood | | | 1" | 8' - 8" | | | | | 2" | 80" | | | | | | | Hot Water from Item #3; Interconnect to each hood section; manifold drain from right section to left section; s/s vertical pipe drop to grease trap via floor sink; see HFS Detail 5.70 |
| 3 | 1 | Fire Suppression System | 1" | 8' - 6" | | | | | | | | | | | | | | | 24 hr. supply connection domestic or sprinkler; integral detergent tank |
| 4 | 1 | Exhaust Hood Control Panel | 1" | 8' - 6" | | | | | | | | | | | | | | | 1" 120'F Hot water 14.4 gal/min @ 40 psi; 24 hr. supply connection domestic or sprinkler |
| 5 | 1 | Double Deck Convection Oven-Gas | | | | | | | | | | | 40000.0 Btu/h | 3/4" | 1' - 4 7/8" | | | | Two (2) Gas connections; Quick Disconnect to manifold to both ovens |
| 7 | 1 | Tilting Skillet | 0" | 0' - 0" | 0" | 0' - 0" | | | | | 0" | 0" | 125000.0 Btu/h | 3/4" | 1' - 0 5/8" | | | | Flexible Gas Connector |
| 8 | 1 | Pot Filler | 1/2" | 4' - 0" | 1/2" | 4' - 0" | | | | | | | | | | | | | |
| 11 | 1 | Anti-Splash Floor Trough | | | | | | | | | 4" | -2" | | | | | | | To Grease Trap |
| 12 | 1 | Combination Oven | | | | | 3/4" | 2' - 10" | | | 2" | 0" | | | | | | | 3/4" only with drain pan connection, waste to grease trap via floor sink is per cavity |
| 12.1 | 1 | Water Filtration System | 3/4" | 2' - 10" | | | | | | | | | | | | | | | To #12, Combi Oven |

FOOD SERVICE PLUMBING SCHEDULE-HOLABIRD

| ITEM NO. | QTY. | DESCRIPTION | COLD WATER SIZE | COLD WATER CONN HGT | HOT WATER SIZE | HOT WATER CONN HGT | Filtered Water Supply Size | Filtered Water Connection Height | DIRECT WASTE SIZE | DIRECT WASTE CONN HGT | INDIRECT WASTE SIZE | INDIRECT WASTE CONN HGT | GAS INPUT | GAS SIZE | GAS CONN HGT | REFRIGERANT RLL SIZE | REFRIGERANT RSL SIZE | REFRIGERANT TYPE | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 4 | Hand Sink | 1/2" | | 1/2" | | | | 1 1/2" | 1' - 4" | | | | | | | | | |
| 17 | 1 | Two (2) Compartment Sink | 1/2" | 2' - 10 1/2" | 1/2" | 2' - 10 1/2" | | | 0" | | 1 1/2" | 28" | | | | | | | |
| 21 | 2 | Mobile 4-Well Hot Food Table w/ Food Guard w/ Lights and Tray Slide | | | 1/2" | 2' - 0" | | | | | 1/2" | 26" | | | | | | | To Funnel Floor Drain |
| 22 | 2 | Mobile Milk Chest | | | | | | | | | 1/2" | 3" | | | | | | | |
| 23 | 2 | Mobile Cold Pan w/ Food Guard w/ Lights and Tray Slide | | | | | | | | | 1" | 26" | | | | | | | To Funnel Floor Drain |
| 24 | 1 | Utility Counter w/ Frost Top and Double-Sided Display and Cashier Counter with Twin Tray Slide | | | | | | | | | 1/2" | 26" | | | | | | | To Funnel Floor Drain |
| 35 | 1 | Evaporator, 34'F | | | | | | | | | 3/4" | 84" | | | | 0' - 0 1/2" | .875" | R-404a | To Funnel Floor Drain |
| 36 | 1 | Condenser, 34'F | | | | | | | | | | | | | | 0' - 0 1/2" | .875" | R-404a | 90" Refrigerant Connection Height |
| 37 | 1 | Evaporator, -10'F | | | | | | | | | 3/4" | 84" | | | | 0' - 0 3/8" | .875" | R-404a | To Funnel Floor Drain |
| 38 | 1 | Condenser, -10'F | | | | | | | | | | | | | | 0' - 0 3/8" | 7/8" | R-404a | 90" Refrigerant Connection Height |
| 47 | 1 | Soiled Dishtable | 1/2" | 2' - 0" | 1/2" | 2' - 0" | | | | | 1 1/2" | 38" | | | | | | | To Pre-Rinse Sink and to Floor Sink scupper drain. |
| 51 | 1 | Mobile Soak Sink | | | | | | | 0" | 0' - 0" | 1" | 24" | | | | | | | To #59, Area Floor Drain |
| 52 | 1 | Door Type Dishwasher | 0" | 0' - 0" | 3/4" | 0' - 7" | | | | | 1 1/2" | 7 1/2" | | | | | | | To Floor Sink |
| 53 | 1 | Condensate Hood | | | | | | | | | 3/8" | 72" | | | | | | | To Floor Sink; PE to supply water hammer aerator |
| 56 | 1 | Pro-Bowl Sinks - 16 Gauge | | | | | | | 0" | 0' - 0" | 1 3/4" | 14" | | | | | | | Three (3) Indirect Wastes and Two (2) Hot/Cold connectors; To grease trap via floor sink |
| 59 | 2 | Area Floor Drain | | | | | | | 4" | -7' - 0" | | | | | | | | | PE to verify if grease trap connector required |
| 61 | 1 | Mop Sink | 1/2" | 2' - 4" | 1/2" | 2' - 4" | | | 2" | 0' - 7" | | | | | | | | | PE to verify if grease trap connector required |

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GRIMM AND PARKER

GP# 21553

FOOD SERVICE PLUMBING SPOT CONNECTION PLAN

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

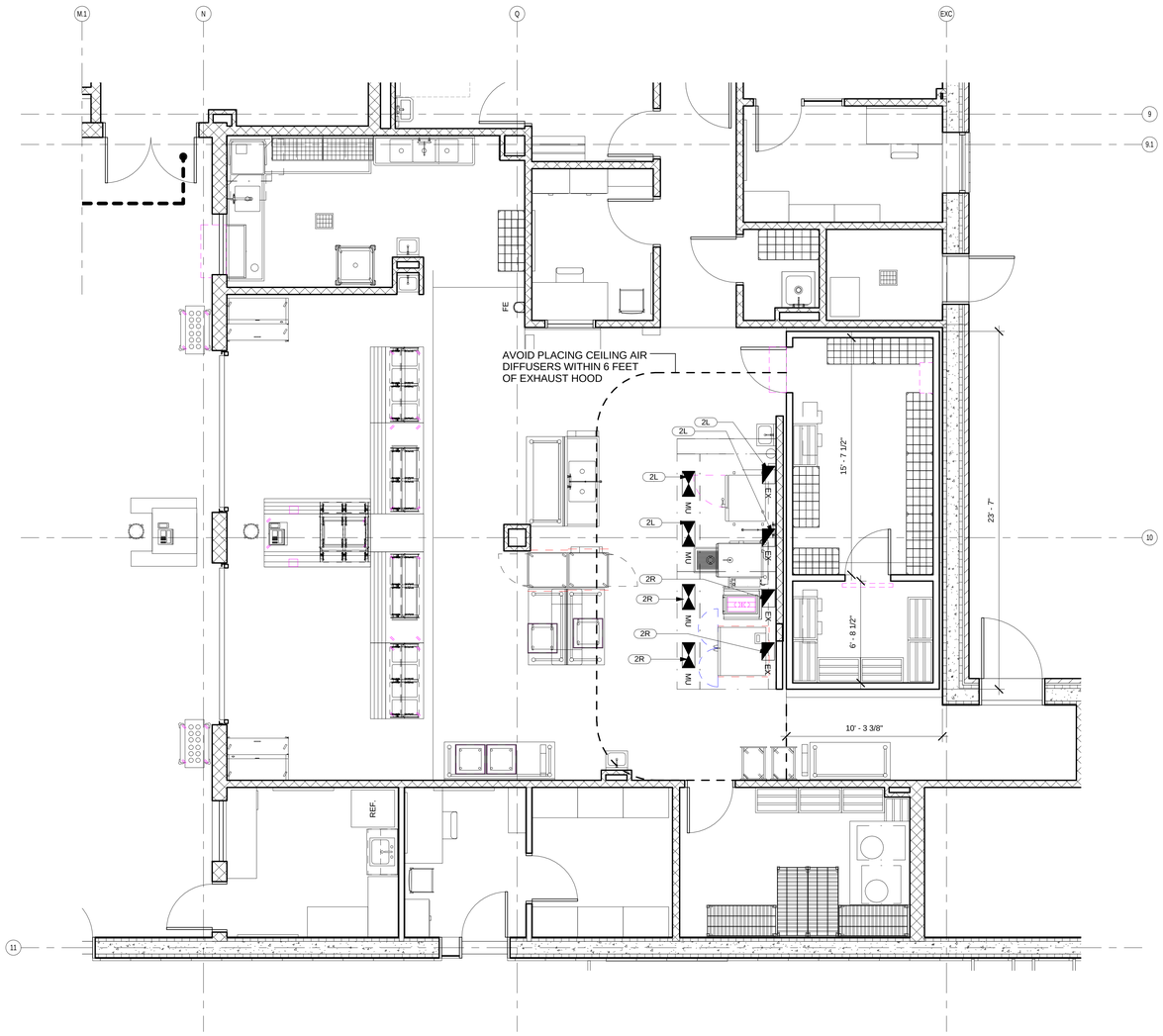
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03/13/2017
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**VENTILATION SYMBOLS**

| | |
|---|---|
| EX | EXHAUST DUCT |
| MU | SUPPLY DUCT |
| | AIR FLOW RESTRICTION BOUNDARY |

FOOD SERVICE VENTILATION SCHEDULE-HOLABIRD

| ITEM NO. | QTY. | DESCRIPTION | EXHAUST REQUIREMENTS | | EXHAUST REQUIREMENTS | | | MAKE-UP AIR REQUIREMENTS | | MAKE-UP AIR REQUIREMENTS | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | VOLUME | Exhaust Static Press | COLLAR WIDTH | COLLAR DEPTH | CONN HGT | VOLUME | MU Air Static Press | COLLAR WIDTH | COLLAR DEPTH | CONN HGT | REMARKS |
| 2L | 1 | Exhaust Hood | 1564 CFM | 0.83 in-wg | 0' - 10" | 0' - 8" | 8' - 8" | 1163 CFM | 0.27 in-wg | 2' - 1" | 0' - 6" | 8' - 8" | Two (2) Exhaust Ducts and Two (2) Supply Ducts |
| 2R | 1 | Exhaust Hood | 1529 CFM | 0.79 in-wg | 0' - 10" | 0' - 8" | 8' - 8" | 1163 CFM | 0.27 in-wg | 2' - 1" | 0' - 6" | 8' - 8" | Two (2) Exhaust Ducts and Two (2) Supply Ducts |

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GP# 21553

FOOD SERVICE VENTILATION SPOT CONNECTION PLAN

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

**K-1.4**

03/13/2017
BID SET

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**FOUNDATION AND SLAB ON GRADE:**

**NOTE: 1**
FOOTINGS ARE DESIGNED FOR A BEARING CAPACITY OF 4000 PSF BASED ON THE GEOTECHNICAL REPORT PREPARED BY ESC. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL 1'-0" BELOW ORIGINAL GRADE OR ON STRUCTURALLY COMPACTED FILL. BOTTOM OF EXTERIOR FOOTINGS SHALL BE 2'-6" BELOW FINISHED GRADE. A GEOTECHNICAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION SHALL VERIFY THE SOIL BEARING CAPACITY IN THE FIELD. IF FOUND TO BE LESS THAN THE REQUIRED BEARING PRESSURE, THE FOOTINGS WILL HAVE TO BE REDESIGNED.

**NOTE: 2**
ALL FILL UNDER SLABS-ON-GRADE SHALL BE COARSE GRANULAR MATERIAL COMPACTED TO 95% OF MAXIMUM DENSITY AT OPTIMUM WATER CONTENT. SLABS-ON-GRADE SHALL BE POURED IN ACCORDANCE WITH ACI 302.1R, "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION" (LATEST LOCAL APPROVED EDITION). SAW CUT CONTROL JOINTS SUCH THAT TOTAL AREA BOUNDED BY SAW CUTS AND FORMED EDGES DOES NOT EXCEED 625 SQ./FT. AND LONG SIDE TO SHORT SIDE DOES NOT EXCEED A 1.5:1 RATIO. PROVIDE #4 x3'-0" LONG BAR AT MID-DEPTH OF SLAB AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL/CONSTRUCTION JOINT TERMINATING.

**CONCRETE:**

**NOTE: 1**
CONCRETE, UNLESS OTHERWISE NOTED ON THE PLANS OR SCHEDULES, SHALL BE NORMAL WEIGHT CONCRETE WITH THE FOLLOWING 28 DAY COMPRESSIVE STRENGTHS (f'c):

f'c = 3000 PSI, WEIGHT = 145 PCF:
- FOOTINGS
- GRADE BEAMS
- PIERS
- BELOW GRADE WALLS

f'c = 4000 PSI, WEIGHT = 145 PCF:
- SLAB ON GRADE
- WALLS
- SLAB ON METAL DECK
- TOPPING
- ICF WALLS

CONCRETE NOT OTHERWISE SPECIFIED SHALL BE f'c=3000 PSI NORMAL WEIGHT CONCRETE. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE f'c=5000 PSI MINIMUM AND SHALL BE AIR ENTRAINED FOR EXPOSURE CLASS F2 PER ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION).

**NOTE: 2**
ALL REINFORCING STEEL SHALL BE DEFORMED BILLET STEEL CONFORMING TO ASTM DESIGNATION A615 (LATEST LOCAL APPROVED EDITION), GRADE 60. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI SP-66, "ACI DETAILING MANUAL" (LATEST LOCAL APPROVED EDITION).

**NOTE: 3**
ALL SPLICES IN REINFORCING SHALL BE CLASS "B" SPLICES IN ACCORDANCE WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (LATEST LOCAL APPROVED EDITION) EXCEPT AS OTHERWISE NOTED.

**NOTE: 4**
WELDED WIRE FABRIC (W.W.F.) SHALL HAVE ENDS LAPPED ONE FULL MESH.

**NOTE: 5**
WALL FOOTING REINFORCING SHALL EXTEND 2'-0" INTO ADJACENT COLUMN FOOTING, UNLESS OTHERWISE NOTED.

**NOTE: 6**
UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS, PROVIDE CONCRETE PROTECTION FOR REINFORCING AS FOLLOWS:

CAST AGAINST EARTH = 3"
EXPOSED TO EARTH OR WEATHER:
NO. 6 AND LARGER BARS = 2"
NO. 5 AND SMALLER BARS = 1 1/2"
NOT EXPOSED TO EARTH OR WEATHER:
SLABS AND WALLS = 3/4"
BEAMS AND COLUMNS = 1 1/2" TO TIES, STIRRUPS OR SPIRALS

**NOTE: 7**
UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING MINIMUM REINFORCING IN CONCRETE ICF WALLS:

6" WALL: #5 AT 18"o.c. VERTICAL
#5 AT 18"o.c. HORIZONTAL

8" WALL: #5 AT 12" VERTICAL
#5 AT 18" HORIZONTAL

10" WALL: #5 AT 12" VERTICAL EACH FACE
#5 AT 18" HORIZONTAL EACH FACE

**NOTE: 8**
OPENINGS SHOWN ON THE STRUCTURAL DRAWINGS ARE PRINCIPAL OPENINGS. SEE MEP AND ARCHITECTURAL DRAWINGS FOR HOLES IN SLABS NOT SHOWN.

**NOTE: 9**
THE GENERAL CONTRACTOR SHALL SUBMIT PLANS SHOWING ALL PENETRATIONS THROUGH THE FRAMED SLABS AND CONCRETE WALLS. THE OPENINGS SHALL BE ACCURATELY LOCATED AND DIMENSIONED.

**NOTE: 10**
NO OPENINGS SHALL BE MADE THROUGH CONCRETE FRAMED FLOORS, FLOORS ON METAL DECK, CONCRETE BEAMS OR CONCRETE WALLS UNLESS THESE ARE SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS OR ON THE APPROVED STRUCTURAL SHOP DRAWINGS.

**NOTE: 11**
CONDUITS IN STRUCTURAL MEMBERS:
a. CONDUITS SHALL ONLY BE PLACED IN THE MIDDLE THIRD OF THE DEPTH OF THE SLAB OR WALL.
b. NO CONDUIT WITH AN OUTSIDE DIAMETER GREATER THAN ONE THIRD OF THE SLAB OR WALL THICKNESS SHALL BE PLACED IN THE SLAB OR WALL.
c. NO CONDUITS SHALL BE PLACED IN THE SLAB OR WALL UNLESS SPECIFICALLY INDICATED ON THE ELECTRICAL DRAWINGS.
d. CONDUITS WHICH CROSS OVER ONE ANOTHER IN A CONCRETE SLAB OR WALL SHALL NOT OCCUPY A TOTAL SPACE AT THE POINT OF CROSSOVER GREATER THAN ONE THIRD THE DEPTH OF THE SLAB OR WALL.
e. NO CONDUITS SHALL BE PLACED IN A BEAM, COLUMN OR PIER.
f. FOR CONCRETE ON METAL DECK, THE DEPTH OF THE SLAB SHALL BE CONSIDERED THE TOTAL SLAB THICKNESS.

**NOTE: 12**
CONSTRUCTION JOINTS IN WALLS, BEAMS AND SLABS SHALL BE LOCATED MIDWAY BETWEEN SUPPORTS. WHEN AN INTERSECTING MEMBER OCCURS AT MIDSPAN, THE JOINT SHALL BE OFFSET TWICE THE WIDTH OF THE INTERSECTING MEMBER. BEFORE FRESH CONCRETE IS POURED AGAINST CONCRETE IN PLACE, THE CONTACT SURFACES SHALL BE THOROUGHLY CLEANED, ALL LAITANCE SHALL BE REMOVED AND THE CONTACT SURFACES SHALL BE THOROUGHLY SLUSHED WITH GROUT CONSISTING OF ONE PART SAND TO ONE PART CEMENT WITH A MINIMUM AMOUNT OF WATER.

**NOTE: 13**
CONSTRUCTION JOINTS SHALL HAVE THE SURFACE OF THE FIRST POUR ROUGHENED TO 1/4" AMPLITUDE, UNLESS OTHERWISE NOTED.

**NOTE: 14**
THE CONTRACTOR MUST SUBMIT A CONCRETE DESIGN MIX IN ACCORDANCE WITH ACI 318 (LATEST LOCAL APPROVED EDITION). SUCH DESIGN MIX SHALL BE ACCOMPANIED BY THE APPROPRIATE GRAPHS AND BACKGROUND DATA. CONCRETE DESIGN MIX SHALL INDICATE 7 AND 28 DAY STRENGTHS, CEMENT CONTENT, WATER-CEMENT RATIO, FINE AND COARSE AGGREGATES AND ADMIXTURES FOR EACH DESIGN STRENGTH. THE ADDITION OF WATER AT THE PLANT OR IN THE FIELD GREATER THAN THE SPECIFIED WATER CONTENT IS STRICTLY PROHIBITED.

**CONCRETE CONTINUED:**

**NOTE: 15**
ALL CONCRETE WORK SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF THE FOLLOWING ACI AND ASTM DOCUMENTS:
- ACI-301 SPECIFICATIONS FOR STRUCTURAL CONCRETE
- ACI-318 CODE
- ACI-214 COMPRESSIVE TEST
- ACI-306 COLD WEATHER
- ACI SP-66 DETAILING
- ACI-347 FORMWORK
- ACI-305 HOT WEATHER
- ACI-211 PROPORTIONS OF CONCRETE
- ACI-304 PLACING CONCRETE
- ATSM C-94 READY-MIX CONCRETE

**NOTE: 16**
ALL FIELD AND LAB TESTING OF CONCRETE SHALL CONFORM TO THE LATEST LOCAL APPROVED EDITIONS OF ASTM:
- ASTM C-31 FIELD CYLINDER SPECIMENS
- ASTM C-143 SLUMP TEST
- ASTM C-231 AIR CONTENT (WHEN REQUIRED)
- ASTM C-39 LAB TESTING CYLINDERS
- ASTM C-172 SAMPLING FRESH CONCRETE
- ASTM C-42 HARDENED CORES (WHEN REQUIRED)

TEST RESULTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

**NOTE: 17**
ALL FORMWORK SHALL BE IN ACCORDANCE WITH ACI 347, "GUIDE TO FORMWORK FOR CONCRETE" (LATEST LOCAL APPROVED EDITION).

**NOTE: 18**
CONCRETE FORMWORK SHALL NOT BE DISTURBED UNTIL THE CONCRETE HAS HARDENED SUFFICIENTLY TO SUPPORT ITS OWN WEIGHT PLUS SUPERIMPOSED CONSTRUCTION LOADS. AS A MINIMUM, FORMS MUST REMAIN IN PLACE FOR THE LENGTH OF TIME RECOMMENDED BY ACI 347, "GUIDE TO FORMWORK FOR CONCRETE" (LATEST LOCAL APPROVED EDITION). FORM REMOVAL REQUIRES SIMULTANEOUS RESHORING. RESHORING SHALL REMAIN IN PLACE UNTIL THE CONCRETE HAS ATTAINED THE SPECIFIED DESIGN STRENGTH. IN LIEU OF THE RECOMMENDATIONS ESTABLISHED IN ACI 347, THE CONTRACTOR MAY TEST FIELD CURED CYLINDERS TO CONFIRM EARLY CONCRETE DESIGN STRENGTH. THE CONTRACTOR SHALL HAVE A FORMWORK PLAN AT THE SITE SHOWING THE SIZE AND STRENGTH OF FORMWORK, SEQUENCE OF CONSTRUCTION, AND A TEMPERATURE DEPENDENT FORMWORK REMOVAL AND RESHORING PROCEDURE. THE PLANS SHALL BE PREPARED AND SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION.

**NOTE: 19**
CONCRETE SLABS ON METAL DECK AND STEEL FRAMING ARE DESIGNED AS UNSHORED. SLABS SHALL BE POURED LEVEL TO THE ELEVATIONS NOTED ON THE PLAN. FOR BIDDING PURPOSES, THE CONCRETE CONTRACTOR SHALL ASSUME AN AVERAGE OF 1/2" ADDITIONAL CONCRETE OVER THE FOOTPRINT OF THE FLOOR TO ACCOUNT FOR DEFLECTION OF THE FRAMING UNDER THE WET LOAD OF THE CONCRETE.

**MASONRY:**

**NOTE: 1**
CONCRETE MASONRY SHALL CONFORM TO THE LATEST EDITION OF ASTM SPECIFICATION C90. CONCRETE MASONRY SHALL BE SAMPLED AND TESTED BY THE MASONRY SUPPLIER ACCORDING TO ASTM C140. ALL CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/ACI 530/ASCE 5, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) AND TMS 602/ACI 530.1/ASCE 6, "SPECIFICATION FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION).

**NOTE: 2**
UNLESS OTHERWISE NOTED, CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI ON THE NET AREA. ALL BRICK SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3350 PSI ON THE NET AREA.

**NOTE: 3**
ALL MORTAR SHALL CONFORM TO ASTM C270. MORTAR TO BE USED SHALL BE SAMPLED AND TESTED BY THE BRICK AND MASONRY SUPPLIERS ACCORDING TO ASTM C780 AND RESULTS SUBMITTED TO THE ENGINEER FOR APPROVAL. MORTAR SHALL BE PORTLAND CEMENT/LIME MORTAR TYPE "S" AS A MINIMUM.

**NOTE: 4**
LOOSE LINTELS FOR OPENINGS IN MASONRY BEARING WALLS SHALL BE AS FOLLOWS FOR EACH 4" WIDTH:
- 0'-0" TO 3'-0" .....3 1/2" x3 1/2"x5/16"ANGLE
- 3'-1" TO 5'-0" .....4"x3 1/2"x5/16" ANGLE
- 5'-1" TO 6'-0" .....5"x3 1/2"x3/8" ANGLE
- 6'-1" TO 8'-0" .....6"x3 1/2"x3/8" ANGLE

ALL ANGLES SHALL HAVE THEIR SHORT LEG OUTSTANDING AND 6" MINIMUM BEARING.

**NOTE: 5**
LINTELS OVER OPENINGS 10'-0" WIDE OR LESS IN INTERIOR NON-BEARING MASONRY PARTITIONS NOT OTHERWISE SPECIFIED SHALL BE PRECAST LIGHTWEIGHT CONCRETE LINTELS REINFORCED WITH 1-#5 BAR TOP AND BOTTOM FOR EACH 4" WIDTH.

**NOTE: 6**
ALL SOLID CMU SHALL BE 100% SOLID BLOCK OR HOLLOW BLOCK WITH CELLS FILLED 100% SOLID WITH F'C=3000 PSI COARSE AGGREGATE GROUT CONFORMING TO ASTM C476. GROUT SHALL BE PLACED IN POUR HEIGHTS NOT TO EXCEED 4'-0" AS CMU CONSTRUCTION PROGRESSES. THE WEBS OF THE MASONRY UNITS SHALL BE FULLY MORTARED AROUND ALL GROUTED CELLS.

**NOTE: 7**
ALL REINFORCED CELLS IN HOLLOW BLOCK SHALL BE GROUTED 100% SOLID PER NOTE ABOVE.

**NOTE: 8**
ALL SPLICES IN REINFORCING STEEL FOR MASONRY WALLS SHALL AS FOLLOWS UNLESS NOTED OTHERWISE:
- #4 BAR ----- 2'-8"
- #5 BAR ----- 3'-4"
- #6 BAR ----- 4'-0"

**NOTE: 9**
ALL CMU WALLS 8" OR WIDER SHALL HAVE THE FOLLOWING MINIMUM REINFORCING UNLESS NOTED OTHERWISE:
- INTERIOR WALLS .....#5 AT 72" o.c.
- EXTERIOR WALLS .....#5 AT 48" o.c.

**NOTE: 10**
IN ADDITION TO REINFORCING STEEL NOTED ON PLANS, SCHEDULES AND SECTIONS, PROVIDE VERTICAL BARS OF SAME SIZE WITHIN 8"OF EACH SIDE OF WALL CONTROL JOINTS, WITHIN 8" OF THE ENDS OF WALLS, WITHIN 16" OF EACH SIDE OF OPENINGS AND AT ALL CORNERS.

**NOTE: 11**
REINFORCING BAR POSITIONERS SHALL BE USED TO HOLD BARS IN PROPER LOCATION. POSITIONERS SHALL BE PLACED AT A MAXIMUM VERTICAL SPACING OF 48"o.c.

**NOTE: 12**
ALL 6" CMU NON-BEARING WALLS SHALL BE DOWELED TO THE SUPPORTING SLAB WITH #4 AT 48"o.c. UNLESS NOTED OTHERWISE.

**NOTE: 13**
ALL MASONRY ANCHORS SHALL BE INSTALLED IN MASONRY THAT HAS BEEN GROUTED SOLID A MINIMUM OF 8" ABOVE AND BELOW THE ANCHOR AND A MINIMUM OF 8" EACH SIDE OF THE ANCHOR.

**NOTE: 14**
UNLESS OTHERWISE NOTED, PROVIDE ANCHORAGE OF MASONRY WALLS TO THE STRUCTURE IN THE FOLLOWING MANNER:
- AT STEEL COLUMNS: ADJUSTABLE MASONRY ANCHORS AT 16"o.c.
- AT CONCRETE ELEMENTS: DOVETAIL ANCHORS AT 16"o.c.

**NOTE: 15**
MASONRY CONSTRUCTION SHALL BE INSPECTED PER TMS 402/ACI 530/ASCE5, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (LATEST LOCAL APPROVED EDITION) FOR LEVEL B QUALITY ASSURANCE.

**STEEL:**

**NOTE: 1**
ALL STEEL JOISTS SHALL CONFORM TO THE SJI STANDARD SPECIFICATIONS IN ALL RESPECTS AND SHALL HAVE BRIDGING IN ACCORDANCE WITH THE SJI SPECIFICATIONS. JOISTS SHALL BE WELDED TO STEEL SUPPORTS PER SJI SPECIFICATIONS. JOISTS SUPPORTED BY A COLUMN SHALL BE WELDED TO THE COLUMN WITH 1/8"x2" LONG FILLET WELD EACH SIDE UNLESS NOTED OTHERWISE. JOISTS SUPPORTED ON STEEL BEAMS, GIRDERS, OR BEARING PLATES SHALL HAVE THE JOIST SEAT DESIGNED TO TRANSFER THE LOAD TO THE SUPPORT CENTERLINE UNLESS NOTED OTHERWISE ON THE PLAN.

**NOTE: 2**
STRUCTURAL STEEL FOR WIDE FLANGE SHAPES SHALL CONFORM TO ASTM SPECIFICATION A992. STRUCTURAL STEEL FOR TUBES SHALL CONFORM TO ASTM SPECIFICATION A500 GRADE B. STRUCTURAL STEEL FOR PIPES SHALL CONFORM TO ASTM SPECIFICATION A53 TYPE E, GRADE B. ALL OTHER STEEL SHALL CONFORM TO ASTM SPECIFICATION A36. MILL TEST REPORTS SHALL BE SUBMITTED TO THE ARCHITECT. ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL, AISC SPECIFICATION AND AISC CODE OF STANDARD PRACTICE. ALL CONNECTIONS FOR NON-COMPOSITE BEAMS SHALL DEVELOP THE ALLOWABLE UNIFORM LOAD OF THE BEAM. CONNECTIONS FOR COMPOSITE BEAMS SHALL DEVELOP THE REACTION NOTED ON THE PLANS. IN GENERAL, FIELD CONNECTIONS SHALL BE MADE WITH 3/4" DIAMETER A325 BOLTS UNLESS OTHERWISE NOTED AND SHOP CONNECTIONS SHALL BE WELDED.

**NOTE: 3**
BOLTS, EXCEPT AS NOTED, NEED ONLY BE INSTALLED TO THE "SNUG TIGHT" CONDITION AS DEFINED IN THE RCSC "SPECIFICATION FOR STRUCTURAL JOINTS." BOLTS IN BEAM TO COLUMN CONNECTIONS THAT HAVE SLOTTED HOLES, BOLTS NOTED AS SLIP CRITICAL, AND BOLTS SUBJECT TO DIRECT TENSION SHALL BE FULLY PRE-TENSIONED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL JOINTS" (LATEST LOCAL APPROVED EDITION).

**NOTE: 4**
WELDS SHALL BE MADE WITH E70XX LOW HYDROGEN ELECTRODES.

**NOTE: 5**
ALL CONNECTIONS, UNLESS OTHERWISE NOTED, SHALL BE DOUBLE ANGLE, SINGLE ANGLE, SINGLE PLATE, OR THRU PLATE CONNECTIONS PER THE TYPICAL DETAILS OF THE CONTRACT DOCUMENTS. CONNECTIONS SHALL BE SELECTED BY THE STEEL DETAILER BASED ON THE CONNECTION TABLES PROVIDED IN THE TYPICAL DETAILS. LOADS SHOWN IN THE DRAWINGS ARE ASD LOADS UNLESS OTHERWISE NOTED.

**NOTE: 6**
ALL GROOVE WELDS SHALL BE FULL PENETRATION GROOVE WELDS IN ACCORDANCE WITH ANSI/AWS D1.1, "STRUCTURAL WELDING CODE" (LATEST LOCAL APPROVED EDITION). THESE WELDS SHALL BE MADE ONLY BY OPERATORS QUALIFIED BY PRESCRIBED TESTS IN THE "STRUCTURAL WELDING CODE." ACCEPTANCE SHALL BE SUBJECT TO THE INSPECTION AND REVIEW OF AN INDEPENDENT INSPECTION AGENCY. ALL FULL PENETRATION WELDS SHALL BE ULTRASONICALLY TESTED.

**NOTE: 7**
HOLES AND OPENINGS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS SUBMITTED FOR REVIEW.

**NOTE: 8**
FIELD MODIFICATION OF THE STRUCTURAL STEEL IS NOT ALLOWED WITHOUT PRIOR REVIEW BY THE ARCHITECT AND STRUCTURAL ENGINEER.

**NOTE: 9**
WELDING SEQUENCE AND TECHNIQUE SHALL BE SUCH THAT DISTORTION OF STEEL MEMBERS IS MINIMIZED AND UNDUE DISTORTION IS AVOIDED.

**NOTE: 10**
ALL STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH A RUST INHIBITIVE PRIMER. ALL EXPOSED STEEL AND LINTELS IN EXTERIOR WALLS SHALL BE HOT-DIPPED GALVANIZED. REFER TO ARCHITECTURAL DRAWINGS FOR GALVANIZED STEEL THAT SHALL RECEIVE A PAINTED FINISH COAT.

**NOTE: 11**
THE SYMBOL [No.] ADJACENT TO A BEAM OR PORTION OF A BEAM DENOTES THE NUMBER OF 3/4" DIAMETER HEADED STUDS TO BE WELDED TO THE TOP OF THE BEAM OR PORTION OF THE BEAM. STUDS SHALL EXTEND 1 1/2" ABOVE THE DECK AFTER INSTALLATION. THE NUMBER OF STUDS HAS BEEN DETERMINED BY ASSUMING THE SHAPE OF THE METAL DECK CAUSES NO REDUCTION IN THE SHEAR CAPACITY OF THE STUDS. IF REQUIRED, THE TOTAL NUMBER OF STUDS, [No.], SHALL BE INCREASED IN ACCORDANCE WITH AISC SPECIFICATIONS TO ALLOW FOR ANY REDUCTION IN SHEAR CAPACITY DUE TO THE METAL DECK CONFIGURATION.

**NOTE: 12**
TEMPORARY BRACING SHALL REMAIN IN PLACE UNTIL THE INSTALLATION OF THE FOLLOWING ITEMS HAS BEEN COMPLETED AND INSPECTED:
- METAL ROOF DECK
- ELEVATED CONCRETE FLOORS
- LATERAL BRACING COMPONENTS INCLUDING ANCHOR BOLTS
- ICF WALLS
- MOMENT CONNECTIONS

**METAL DECK:**

**NOTE: 1**
FABRICATION AND ERECTION OF ALL METAL DECK SHALL CONFORM TO THE LATEST EDITION OF STEEL DECK INSTITUTE SPECIFICATIONS.

**NOTE: 2**
FLOOR DECK SHALL BE MADE OF STEEL CONFORMING TO ASTM A653 SS GRADE 50. ROOF DECK SHALL BE MADE OF STEEL CONFORMING TO ASTM A653 SS GRADE 33. GALVANIZED DECK SHALL HAVE COATING DESIGNATION G60.

**NOTE: 3**
METAL DECK SHALL HAVE THE FOLLOWING MINIMUM SECTION PROPERTIES:
- ROOF DECK ------- I = 0.201 IN^4, S = 0.234 IN^3
- COMPOSITE FLOOR DECK ------- I = 0.406 IN^4, S = 0.341 IN^3

**NOTE: 4**
ALL METAL DECK HAS BEEN DESIGNED TO BE CONTINUOUS OVER 3 SPANS MINIMUM AND SHALL BEAR AT LEAST 2" ON STEEL SUPPORTS. FOR ONE OR TWO SPAN CONDITIONS, THE CONTRACTOR SHALL PROVIDE SHORING OR FURNISH HEAVIER GAGE DECK AS REQUIRED TO SUPPORT ALL THE APPLICABLE LOADS. THE CONTRACTOR SHALL SUBMIT THE ALTERNATE LAYOUT FOR APPROVAL.

**NOTE: 5**
DECK SHALL BE WELDED TO SUPPORTING STEEL AT ENDS OF UNITS AND AT ALL INTERMEDIATE SUPPORTS AT 12"o.c. AND AS NOTED ON PLANS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SIDE LAPS SHALL BE WELDED OR SCREWED AT MID SPAN AND AS NOTED ON PLANS.

**NOTE: 6**
PROVIDE RIDGE AND VALLEY PLATES, REINFORCING CHANNELS, STANDARD CLOSURES, CANT STRIPS, SUMP PANS, FINISH STRIPS, POUR STOPS, AND OTHER ACCESSORIES AS SHOWN ON THE DRAWINGS OR AS REQUIRED.

**NOTE: 7**
DO NOT HANG ANY EQUIPMENT, LIGHTS, DUCTS, PIPES, ETC., FROM METAL ROOF DECK.

**COLD-FORMED METAL FRAMING:**

**NOTE: 1**
GALVANIZED STUDS, JOISTS, AND TRACKS, 12, 14, AND 16 GAGE SHALL BE FORMED FROM STEEL THAT CONFORMS TO ASTM A653, GRADE 50. GALVANIZED 18 AND 20 GAGE STUDS, JOISTS, TRACKS, AND ALL GALVANIZED BRIDGING, END CLOSURES AND ACCESSORIES SHALL BE FORMED FROM STEEL THAT CONFORMS TO THE REQUIREMENTS OF ASTM A653 GRADE 33.

**NOTE: 2**
ALL COLD-FORMED METAL FRAMING SHALL BE FORMED FROM STEEL HAVING A G-90 GALVANIZED COATING.

**NOTE: 3**
FRAMING COMPONENTS MAY BE PRE-ASSEMBLED INTO PANELS PRIOR TO ERECTING. PREFABRICATED PANELS SHALL BE SQUARE WITH COMPONENTS ATTACHED IN A MANNER AS TO PREVENT RACKING. HANDLING AND LIFTING OF PREFABRICATED FRAME PANELS SHALL BE DONE IN A MANNER AS NOT TO CAUSE DISTORTION IN ANY MEMBER.

**NOTE: 4**
PROVIDE UNIFORM AND LEVEL BEARING SUPPORT FOR THE BOTTOM TRACK.

**NOTE: 5**
AT TRACK BUTT JOINTS, ABUTTING PIECES OF TRACK SHALL BE BUTT WELDED OR SPLICED TOGETHER.

**NOTE: 6**
STUDS SHALL BE PLUMBED, ALIGNED, AND SECURELY ATTACHED TO THE FLANGES OR WEBS OF THE TRACKS. THE ENDS OF THE STUDS MUST BEAR AGAINST THE WEB OF BOTH UPPER AND LOWER TRACKS, UNLESS OTHERWISE NOTED.

**NOTE: 7**
WALL STUD BRIDGING SHALL BE INSTALLED IN A MANNER TO PROVIDE RESISTANCE TO BOTH MINOR AXIS BENDING AND ROTATION. BRIDGING ROWS SHALL BE EQUALLY SPACED NOT TO EXCEED 4'-0"o.c.

**NOTE: 8**
TEMPORARY BRACING SHALL BE PROVIDED UNTIL ERECTION OF THE STRUCTURAL SYSTEM IS COMPLETE.

**NOTE: 9**
SIZES AND GAGES OF COLD-FORMED METAL FRAMING SHOWN ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. FRAMING SHALL BE DESIGNED FOR THE WIND LOADS REQUIRED BY THE LOCAL BUILDING CODE AND SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE LOCAL JURISDICTION. FOR BIDDING PURPOSES, PROVIDE MULTIPLE STUDS AT EACH SIDE OF OPENINGS EQUAL TO ONE-HALF OPENING WIDTH DIVIDED BY THE STUD SPACING.

**SUPPORT FOR DUCTWORK, PIPING AND MECHANICAL UNITS:**

**NOTE: 1**
NO MECHANICAL UNITS SHALL BE PLACED ON OR HUNG FROM JOISTS WITHOUT THE APPROVAL OF THE ENGINEER. NO UNITS SHALL BE SUPPORTED FROM THE BOTTOM CHORD OF THE JOIST.

**NOTE: 2**
DUCTWORK AND PIPING SHALL ONLY BE HUNG FROM THE STEEL FRAMING. AT JOISTS, HANGERS SHALL BE SUPPORTED FROM THE TOP CHORD PANEL POINT AND THE LOAD ON INDIVIDUAL HANGERS SHALL NOT EXCEED 300 POUNDS.

**NOTE: 3**
PIPE RISERS SHALL BE SUPPORTED FROM THE FLOOR SLAB BELOW WITH A CLAMP OR STANCHION.

**NOTE: 4**
JOISTS HAVE BEEN DESIGNED FOR A UNIFORM HANGING SPRINKLER LOAD OF 3 PSF. THE SPRINKLER CONTRACTOR SHALL SPACE THE SPRINKLERS SO THAT THE UNIFORM HANGING SPRINKLER LOAD IS NOT EXCEEDED. SPRINKLER LINES 4" AND LARGER THAT RUN PARALLEL WITH THE JOISTS SHALL BE PLACED EVENLY BETWEEN TWO JOISTS. SPRINKLER PIPES SHALL BE HUNG FROM THE TOP CHORD PANEL POINT OF THE JOISTS AND THE LOAD ON EACH INDIVIDUAL HANGER SHALL NOT EXCEED 300 POUNDS.

**NOTE: 5**
THE MAXIMUM TOTAL HUNG LOAD ON ANY SINGLE JOIST FROM MULTIPLE HANGERS SHALL NOT EXCEED 900 POUNDS.

**POST-INSTALLED ANCHORS AND REINFORCING:**

**NOTE: 1**
ANCHORS SHALL BE THE FOLLOWING TYPES MANUFACTURED BY HILTI, INC.:
a. ADHESIVE ANCHORS IN CONCRETE: HILTI HIT-HY200 ANCHORING SYSTEM PER ICC ESR-3187 WITH HILTI HIT-Z THREADED ROD.
b. ADHESIVE ANCHORS IN SOLID GROUTED MASONRY: HILTI HIT-HY70 MASONRY ADHESIVE SYSTEM PER ICC ESR-2682 WITH HILTI HAS-E CONTINUOUSLY THREADED ROD.
c. ADHESIVE ANCHORS IN HOLLOW AND MULTI-WYTHE MASONRY: HILTI HIT-HY70 MASONRY ADHESIVE SYSTEM PER ICC ESR-2682 WITH HILTI HAS-E CONTINUOUSLY THREADED ROD AND APPROPRIATE SIZE SCREEN TUBE.
d. MECHANICAL ANCHORS IN CONCRETE: HILTI KWIK BOLT TZ EXPANSION ANCHOR PER ICC ESR-1917
e. MECHANICAL ANCHORS IN SOLID GROUTED MASONRY: HILTI KWIK BOLT 3 EXPANSION ANCHOR PER ICC ESR-1385

ALTERNATE MANUFACTURERS OR ANCHORS MUST BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO USE. THE CONTRACTOR SHALL PROVIDE SIGNED AND SEALED CALCULATIONS DEMONSTRATING THAT THE PROPOSED SUBSTITUTIONS, BASED ON THEIR SPECIFIC ICC-ES EVALUATION REPORTS, ARE CAPABLE OF ACHIEVING THE PERFORMANCE VALUES EQUAL TO OR GREATER THAN THOSE OF THE ANCHORS SPECIFIED.

**NOTE: 2**
ADHESIVE ANCHORS AND REINFORCING SHALL NOT BE INSTALLED UNTIL THE CONCRETE OR GROUT HAS BEEN ALLOWED TO CURE FOR 21 DAYS AND HAS ATTAINED 70% OF ITS DESIGN STRENGTH.

**NOTE: 3**
MECHANICAL ANCHORS SHALL NOT BE INSTALLED UNTIL THE CONCRETE OR GROUT HAS ATTAINED 70% OF ITS DESIGN STRENGTH.

**NOTE: 4**
ALL POST INSTALLED ANCHORS AND REINFORCING SHALL BE INSTALLED IN DRY HOLES THAT HAVE BEEN DRILLED, CLEANED AND PREPARED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND THE RESPECTIVE ICC ES EVALUATION REPORTS.

**NOTE: 5**
THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL THE ANCHORING PRODUCTS SPECIFIED IN THE DRAWINGS. PRIOR TO INSTALLATION OF ANY ANCHORS, THE CONTRACTOR SHALL SUBMIT TO THE ARCHITECT DOCUMENTED CONFIRMATION FROM THE MANUFACTURER'S REPRESENTATIVE THAT THE CONTRACTOR'S PERSONNEL WHO WILL INSTALL THE ANCHORS HAVE BEEN PROPERLY TRAINED FOR THE SPECIFIED ANCHORS.

**NOTE: 6**
IN ADDITION TO TRAINING BY THE MANUFACTURER'S REPRESENTATIVE, THE CONTRACTOR'S PERSONNEL WHO WILL INSTALL ADHESIVE ANCHORS IN CONCRETE SHALL BE CERTIFIED BY AN ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM.

**NOTE: 7**
ALL ANCHORS AND REINFORCING SHALL BE INSTALLED IN ACCORDANCE WITH THE SPACING AND EDGE DISTANCES SHOWN IN THE DRAWINGS. THE CONTRACTOR SHALL INFORM THE ARCHITECT PRIOR TO INSTALLING THE ANCHORS IF THE SPACING AND EDGE DISTANCES SHOWN IN THE DRAWINGS CANNOT BE ACHIEVED. IF THIS IS THE CASE, RE-DESIGN MIGHT BE REQUIRED AND THE ANCHORS SHOULD NOT BE INSTALLED UNTIL APPROVAL HAS BEEN PROVIDED BY COLUMBIA ENGINEERING, INC.

**NOTE: 8**
DO NOT CUT ANY REINFORCING UNLESS IT IS SPECIFICALLY INDICATED IN THE DRAWINGS OR IS APPROVED BY COLUMBIA ENGINEERING INC.

NOTE: 9
POST INSTALLED ANCHORS AND REINFORCING SHALL ONLY BE USED WHERE SPECIFIED IN THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM COLUMBIA ENGINEERING INC. PRIOR TO INSTALLING POST INSTALLED ANCHORS WHERE CAST IN PLACE ANCHORS ARE MISSING, MISPLACED OR DAMAGED.

NOTE: 10
POST INSTALLED ANCHORS AND REINFORCING SHALL BE PERIODICALLY INSPECTED PER IBC 2012 SECTION 1705 EXCEPT ADHESIVE ANCHORS AND REINFORCING INSTALLED IN A VERTICAL OR OVERHEAD SURFACE SHALL BE CONTINUOUSLY INSPECTED.

**RIGGING, HOISTING AND SCAFFOLDING REQUIREMENTS:**

**NOTE: 1**
THE CONTRACTOR SHALL PREPARE AND SUBMIT TO THE AR

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# INSPECTION TABLES

**STATEMENT OF SPECIAL INSPECTIONS:**

**NOTE 1:**
INSPECTION OR TESTING SHALL BE PROVIDED FOR ALL MATERIAL, COMPONENTS AND WORK LISTED IN THE TABLES BELOW.

**NOTE 2:**
DEFINITIONS:
a. CONTINUOUS INSPECTION: INDICATES SPECIAL INSPECTOR SHALL BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK.
b. PERIODIC INSPECTION: INDICATES SPECIAL INSPECTOR SHALL PROVIDE INSPECTION OR TESTING OF ALL WORK INDICATED, BUT THAT SPECIAL INSPECTOR IS NOT REQUIRED TO BE PRESENT DURING CONTRACTOR PERFORMANCE OF THE TASK. PERIODIC INSPECTION DOES NOT MEAN RANDOM INSPECTION IS ALLOWED.
c. RANDOM INSPECTION: INDICATES SPECIAL INSPECTOR SHALL PROVIDE INSPECTION OR TESTING, AS NEEDED, TO INSURE PROPER PERFORMANCE OF THE TASK BY THE CONTRACTOR.

## SOILS

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY. | PERIODIC |
| 2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. | PERIODIC |
| 3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS. | PERIODIC |
| 4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL. | CONTINUOUS |
| 5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY. | PERIODIC |

## CONCRETE

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. INSPECTION OF REINFORCING STEEL FOR SIZE, QUANTITY AND PLACEMENT. | PERIODIC |
| 2. INSPECTION OF REINFORCING STEEL FOR SIZE, QUANTITY AND PLACEMENT AT ICF WALLS | CONTINUOUS |
| 3. INSPECTION OF ANCHORS CAST IN CONCRETE. | PERIODIC |
| 4. INSPECTION OF ANCHOR PLATES IN ICF WALLS. | CONTINUOUS |
| 5. INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (FOLLOW MANUFACTURERS WRITTEN INSTALLATION REQUIREMENTS). | CONTINUOUS |
| 6. VERIFY USE OF REQUIRED DESIGN MIX. | PERIODIC |
| 7. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE. FOR LIGHTWEIGHT CONCRETE, PERFORM UNIT WEIGHT TESTS. | CONTINUOUS |
| 8. INSPECTION OF CONCRETE PLACEMENT. | CONTINUOUS |
| 9. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES. | PERIODIC |
| 10. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS. | PERIODIC |
| 11. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED AND FOR CONFORMANCE WITH FORMWORK DESIGN. | PERIODIC |
| 12. MEASURE F (F) AND F (L) TOLERANCE FOR FLOORS. | PERIODIC |

## MASONRY

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. VERIFICATION OF f'm PRIOR TO CONSTRUCTION | PERIODIC |
| 2. VERIFY COMPLIANCE WITH THE APPROVED SUBMITTALS | PERIODIC |
| 3. AS MASONRY CONSTRUCTION BEGINS, VERIFY THE FOLLOWING ARE IN COMPLIANCE: | |
| a. PROPORTIONS OF SITE-PREPARED MORTAR | PERIODIC |
| b. CONSTRUCTION OF MORTAR JOINTS | PERIODIC |
| c. LOCATION OF REINFORCEMENT AND CONNECTORS | PERIODIC |
| 4. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE: | |
| a. GROUT SPACE | PERIODIC |
| b. GRADE, TYPE, AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS | PERIODIC |
| c. PLACEMENT OF REINFORCEMENT AND CONNECTORS | PERIODIC |
| d. PROPORTIONS OF SITE-PREPARED GROUT | PERIODIC |
| e. CONSTRUCTION OF MORTAR JOINTS | PERIODIC |
| 5. VERIFY DURING CONSTRUCTION: | |
| a. SIZE AND LOCATION OF STRUCTURAL ELEMENTS | PERIODIC |
| b. TYPE, SIZE, AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION. | PERIODIC |
| c. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F) | PERIODIC |
| d. PLACEMENT OF GROUT | CONTINUOUS |
| 6. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS | PERIODIC |
| 7. INSTALLATION OF POST INSTALLED ANCHORS. | CONTINUOUS |

## STEEL - PRIOR TO WELDING

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. WELDING PROCEDURE SPECIFICATIONS (WPSs) AVAILABLE | PERIODIC | PERIODIC |
| 2. MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE | PERIODIC | PERIODIC |
| 3. MATERIAL IDENTIFICATION (TYPE/GRADE) | RANDOM | RANDOM |
| 4. WELDER IDENTIFICATION SYSTEM | RANDOM | RANDOM |
| 5. FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY)<br>• JOINT PREPARATION<br>• DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOF FACE, BEVEL)<br>• CLEANLINESS (CONDITION OF STEEL SURFACES)<br>• TACKING (TACK WELD QUALITY AND LOCATION)<br>• BACKING TYPE AND FIT (IF APPLICABLE) | RANDOM | PERIODIC |
| 6. CONFIGURATION AND FINISH OF ACCESS HOLES | RANDOM | PERIODIC |
| 7. FIT-UP OF FILLET WELDS<br>• DIMENSIONS (ALIGNMENT, GAPS AT ROOT)<br>• CLEANLINESS (CONDITION OF STEEL SURFACES)<br>• TACKING (TACK WELD QUALITY AND LOCATION) | RANDOM | RANDOM |
| 8. CHECK WELDING EQUIPMENT | RANDOM | NONE |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL - DURING WELDING

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. USE OF QUALIFIED WELDERS | RANDOM | RANDOM |
| 2. CONTROL AND HANDLING OF WELDING CONSUMABLES<br>• PACKAGING<br>• EXPOSURE CONTROL | RANDOM | RANDOM |
| 3. NO WELDING OVER CRACKED TACK WELDS | RANDOM | RANDOM |
| 4. ENVIRONMENTAL CONDITIONS<br>• WIND SPEED WITHIN LIMITS<br>• PRECIPITATION AND TEMPERATURE | RANDOM | RANDOM |
| 5. WPS FOLLOWED FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS<br>• SETTINGS ON WELDING EQUIPMENT<br>• TRAVEL SPEED<br>• SELECTED WELDING MATERIALS<br>• SHIELDING GAS TYPE/FLOW RATE<br>• PREHEAT APPLIED<br>• INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM)<br>• PROPER POSITION (F, V, H, OH) | RANDOM | CONTINUOUS |
| 6. WPS FOLLOWED FOR SINGLE - PASS FILLET WELDS<br>• SETTINGS ON WELDING EQUIPMENT<br>• TRAVEL SPEED<br>• SELECTED WELDING MATERIALS<br>• SHIELDING GAS TYPE/FLOW RATE<br>• PREHEAT APPLIED<br>• INTERPASS TEMPERATURE MAINTAINED (MINIMUM / MAXIMUM)<br>• PROPER POSITION (F, V, H, OH) | RANDOM | RANDOM |
| 7. WELDING TECHNIQUES FOR GROOVE WELDS AND MULTI-PASS FILLET WELDS<br>• INTERPASS AND FINAL CLEANING<br>• EACH PASS WITHIN PROFILE LIMITATIONS<br>• EACH PASS MEETS QUALITY REQUIREMENTS | RANDOM | CONTINUOUS |
| 8. WELDING TECHNIQUES FOR SINGLE-PASS FILLET WELDS<br>• INTERPASS AND FINAL CLEANING<br>• EACH PASS WITHIN PROFILE LIMITATIONS<br>• EACH PASS MEETS QUALITY REQUIREMENTS | RANDOM | RANDOM |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL - PRIOR TO BOLTING

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS | RANDOM | PERIODIC |
| 2. FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS | RANDOM | RANDOM |
| 3. PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM SHEAR PLANE) | RANDOM | RANDOM |
| 4. PROPER BOLTING PROCEDURE SELECTED FOR JOINT DETAIL | RANDOM | RANDOM |
| 5. CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS | RANDOM | RANDOM |
| 6. PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED | CONTINUOUS | RANDOM |
| 7. PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS | RANDOM | RANDOM |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL - DURING BOLTING

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. FASTENER ASSEMBLIES, OF SUITABLE CONDITION, PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED. | PERIODIC | PERIODIC |
| 2. JOINT BROUGHT TO THE SNUG-TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION | RANDOM | RANDOM |
| 3. PRETENSIONED AND SLIP-CRITICAL JOINTS INSTALLED USING ONE OF THE FOLLOWING METHODS:<br>• DIRECT-TENSION-INDICATOR WASHER METHOD<br>• TWIST-OFF TYPE TENSION CONTROL BOLT METHOD | PERIODIC | PERIODIC |
| 4. FASTENERS COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING | RANDOM | RANDOM |
| 5. FASTENERS ARE PRETENSIONED IN ACCORDANCE WITH THE RCSC SPECIFICATION, PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARD THE FREE EDGES | RANDOM | RANDOM |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL - AFTER BOLTING

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. DOCUMENT ACCEPTANCE OR REJECTION OF BOLTED CONNECTIONS | PERIODIC | PERIODIC |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL - OTHER

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. COMPLIANCE OF THE FABRICATED STEEL WITH THE SHOP DRAWINGS | PERIODIC | NONE |
| 2. SETTING OF ANCHOR BOLTS, BEARING PLATES AND EMBEDDED ITEMS PRIOR TO PLACEMENT OF CONCRETE | RANDOM | PERIODIC |
| 3. STRUCTURAL MEMBERS FOR PLUMBNESS, ELEVATION AND ALIGNMENT | RANDOM | PERIODIC |
| 4. COMPLIANCE OF THE ERECTED STEEL FRAME WITH ERECTION DRAWINGS FOR ITEMS SUCH AS BRACES, MEMBER LOCATIONS AND CONNECTION DETAILS | PERIODIC | NONE |
| 5. COMPLIANCE OF THE ERECTED STEEL FRAME WITH CONTRACT DOCUMENTS FOR ITEMS SUCH AS BRACES, MEMBER LOCATIONS AND CONNECTION DETAILS | NONE | PERIODIC |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT

| INSPECTION TASK | TYPE OF INSPECTION | |
|---|---|---|
| | QC | SI |
| 1. PLACEMENT AND INSTALLATION OF STEEL DECK | PERIODIC | PERIODIC |
| 2. PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS | PERIODIC | PERIODIC |
| 3. DOCUMENT ACCEPTANCE OR REJECTION OF STEEL ELEMENTS | PERIODIC | PERIODIC |

**NOTES:**
QC - DENOTES QUALITY CONTROL PERSONNEL
SI - DENOTES SPECIAL INSPECTOR

## STEEL JOISTS

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. SETTING OF BEARING PLATES | PERIODIC |
| 2. ALIGNMENT OF JOISTS | PERIODIC |
| 3. INSTALLATION OF BRIDGING | PERIODIC |
| 4. SIZE, LENGTH AND LOCATION OF WELDS | PERIODIC |
| 5. ULTRASONICALLY TEST FULL PENETRATION WELDS | PERIODIC |
| 6. HIGH-STRENGTH BOLTS INSTALLED | PERIODIC |

## STEEL DECK

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. MATERIAL VERIFICATION:<br>a. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.<br>b. MANUFACTURER'S CERTIFIED TEST REPORTS | PERIODIC |
| 2. VERIFY WELDING CONSUMABLES AND FASTENERS TO BE USED. | PERIODIC |
| 3. VERIFY DECK ALIGNMENT AND SUPPORT. | PERIODIC |
| 4. VERIFY FLOOR AND ROOF DECK ATTACHMENT:<br>a. WELDS TO SUPPORTING MEMBERS<br>b. SIDE LAP SCREWS AND WELDS | PERIODIC |
| 5. VERIFY TOUCH-UP GALVANIZATION APPLIED TO WELDS. | PERIODIC |

## COLD-FORMED STEEL

| INSPECTION TASK | TYPE OF INSPECTION |
|---|---|
| 1. VERIFY SIZE AND GAGE OF FRAMING. | PERIODIC |
| 2. VERIFY PLUMBNESS, ALIGNMENT AND PROPER BEARING OF ELEMENTS | PERIODIC |
| 3. VERIFY COLD-FORMED FRAMING IS PROPERLY FASTENED TOGETHER | PERIODIC |
| 4. VERIFY CONNECTIONS TO STRUCTURAL FRAME | PERIODIC |
| 5. VERIFY TOUCH-UP GALVANIZATION IS APPLIED TO WELDS | PERIODIC |

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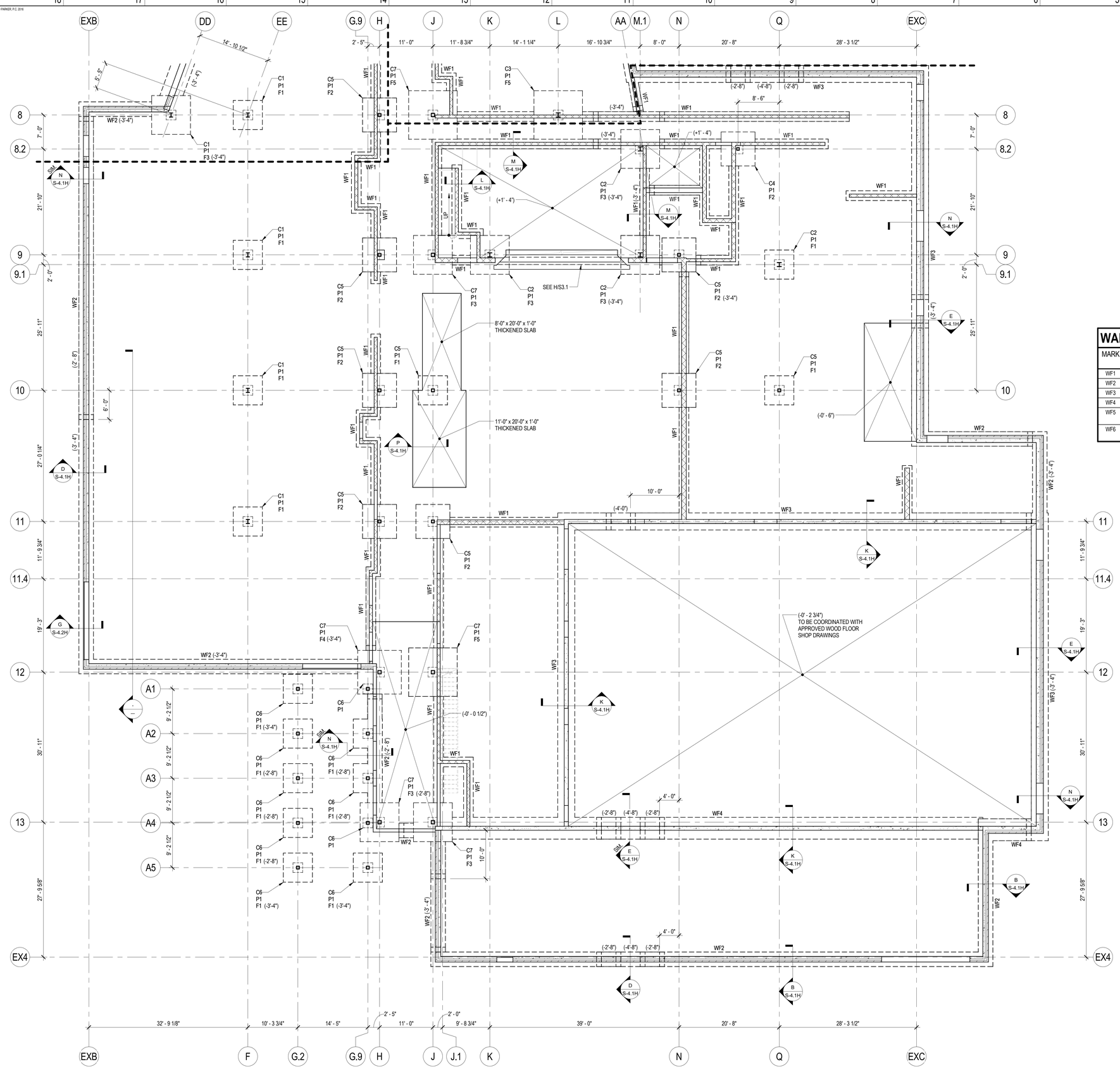
INSPECTION TABLES
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|
| | |

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03/13/2017
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## FOUNDATION AND SLAB ON GRADE PLAN - AREA A

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

## COLUMN SCHEDULE

| MARK | SIZE | BASE PLATE | ANCHOR BOLTS | REMARKS |
|---|---|---|---|---|
| C1 | W10x39 | 16"x16"x1-1/4" | (4) 3/4" DIAMETER ASTM F1554 | |
| C2 | W10x49 | 16"x16"x1-1/2" | (4) 3/4" DIAMETER ASTM F1554 | |
| C3 | W10x60 | 16"x16"x1-1/2" | (4) 3/4" DIAMETER ASTM F1554 | |
| C4 | HSS6x6x1/2 | 12"x12"x1" | (4) 3/4" DIAMETER ASTM F1554 | |
| C5 | HSS7x7x1/2 | 14"x14"x1-1/4" | (4) 3/4" DIAMETER ASTM F1554 | |
| C6 | HSS7x7x1/2 | 18"x18"x1-1/4" | (4) 1" DIAMETER ASTM F1554 | SEE J/S4.2 |
| C7 | HSS8x8x1/2 | 14"x14"x1-1/4" | (4) 3/4" DIAMETER ASTM F1554 | |

NOTE: PROVIDE 1/2" THICK CAP PLATE TYPICAL UNLESS OTHERWISE SHOWN.

## CONCRETE PIER SCHEDULE

| MARK | SIZE | REINFORCEMENT | REMARKS |
|---|---|---|---|
| P1 | 24"x24" | 8-#6 VERTICAL | |

## FOOTING SCHEDULE

| MARK | SIZE | THICK | REINFORCEMENT | REMARKS |
|---|---|---|---|---|
| F1 | 6'-0"x6'-0" | 1'-0" | 5-#6 EACH WAY BOTTOM | |
| F2 | 7'-0"x7'-0" | 1'-2" | 6-#6 EACH WAY BOTTOM | |
| F3 | 8'-0"x8'-0" | 1'-4" | 6-#7 EACH WAY BOTTOM | |
| F4 | 9'-0"x9'-0" | 1'-6" | 7-#7 EACH WAY BOTTOM | |
| F5 | 10'-0"x10'-0" | 1'-8" | 8-#8 EACH WAY BOTTOM | |
| F6 | 13'-0"x9'-0" | 1'-6" | 10-#7 LONGITUDINAL BOTTOM<br>14-#7 TRANSVERSE BOTTOM | |

## WALL FOOTING SCHEDULE

| MARK | SIZE | THICK | CONTINUOUS BOTTOM REINFORCEMENT | TRANSVERSE REINFORCEMENT | REMARKS |
|---|---|---|---|---|---|
| WF1 | 2'-0" CONTINUOUS | 1'-0" | 2-#5 | ----- | |
| WF2 | 3'-0" CONTINUOUS | 1'-0" | 3-#5 | ----- | |
| WF3 | 3'-6" CONTINUOUS | 1'-0" | 4-#5 | #4 AT 12" O.C. | |
| WF4 | 4'-6" CONTINUOUS | 1'-0" | 5-#5 | #5 AT 12" O.C. | |
| WF5 | 4'-6" CONTINUOUS | 1'-0" | 5-#5 | #4 AT 12" O.C.<br>TOP AND BOTTOM | |
| WF6 | 6'-0" CONTINUOUS | 1'-0" | 9-#5 | #5 AT 8" O.C.<br>TOP AND BOTTOM | |

**FOUNDATION AND SLAB ON GRADE NOTES:**

1. SLAB ON GRADE UNLESS NOTED OTHERWISE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
2. SLAB ON GRADE AT MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (145 PCF, f'c=3000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
3. TOP OF SLAB ON GRADE ELEVATION SHALL BE 82'-9" (DATUM 0'-0") UNLESS NOTED OTHERWISE.
4. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (.....).
5. TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (.....). ELEVATIONS ON PLANS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER ALL FOOTINGS AS REQUIRED BELOW ALL UTILITY LINES AND INSTALL GALVANIZED SLEEVES.
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEPRESSED AND SLOPED SLAB AREAS.
7. PROVIDE 1-#4 x 2'-6" LONG AT MID-DEPTH OF SLAB ON GRADE AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING AND ALL WALL OPENINGS. SEE G/S-3.1.
8. C.J. DENOTES SLAB CONTROL / CONSTRUCTION JOINT, SEE B/S-3.1.
9. PROVIDE DEEPENED SLAB UNDER ALL INTERIOR NON-BEARING MASONRY PARTITION WALLS 6" OR THINNER, SEE D/S-3.1.
10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF INTERIOR PARTITION WALLS.
11. PROVIDE 5" CONCRETE UNDER TRENCH DRAINS.
12. FLOOR SLAB SHALL BE 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH #4 AT 12"o.c. EACH WAY OVER 2VL1 20 COMPOSITE FLOOR DECK BY VULCRAFT OR EQUIVALENT (3 SPAN MINIMUM.).
13. CMU WALLS AT STAIRS SHALL BE 8" CMU AND SHALL BE REINFORCED FULL HEIGHT WITH #5 AT 32"o.c.
14. 8" CMU SHEAR WALL WITH #5 AT 24" o.c.

## KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

N

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FOUNDATION AND SLAB ON GRADE PLAN - AREA A

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

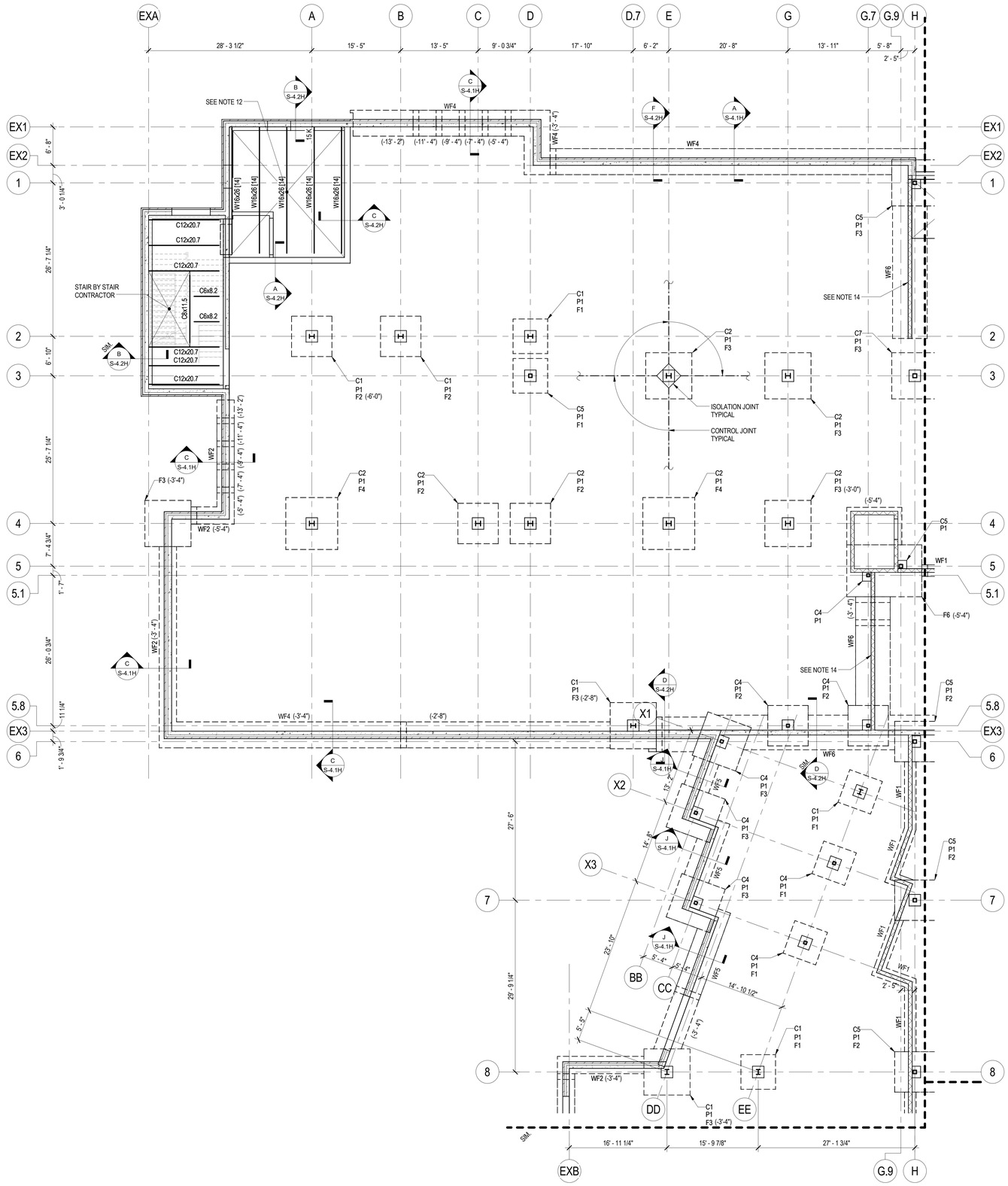
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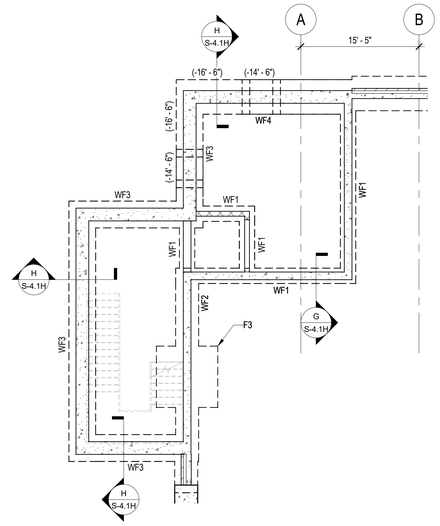
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## FOUNDATION AND SLAB ON GRADE PLAN - AREA B

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




## MECHANICAL BASEMENT FOUNDATION PLAN

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

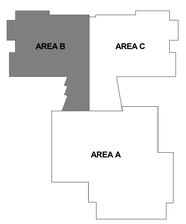
**FOUNDATION AND SLAB ON GRADE NOTES:**

1. SLAB ON GRADE SHALL BE 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL. TOP OF SLAB ELEVATION -12.50' BELOW DATUM.
2. TOP OF FOOTING ELEVATION SHALL BE -13.17' BELOW DATUM UNLESS OTHERWISE NOTED THUS: (.....).
3. PROVIDE 1-#4 x 2'-6" LONG AT MID-DEPTH SLAB ON GRADE AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING AND ALL WALL OPENINGS. SEE G/S-3.1.
4. C.J. DENOTES SLAB CONTROL OR CONSTRUCTION JOINT, SEE B/S-3.1.

**FOUNDATION AND SLAB ON GRADE NOTES:**

1. SLAB ON GRADE UNLESS NOTED OTHERWISE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
2. SLAB ON GRADE AT MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (145 PCF, f'c=3000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
3. TOP OF SLAB ON GRADE ELEVATION SHALL BE 82'-9" (DATUM 0'-0") UNLESS NOTED OTHERWISE.
4. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: [.....].
5. TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (.....). ELEVATIONS ON PLANS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER ALL FOOTINGS AS REQUIRED BELOW ALL UTILITY LINES AND INSTALL GALVANIZED SLEEVES.
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEPRESSED AND SLOPED SLAB AREAS.
7. PROVIDE 1-#4 x 2'-6" LONG AT MID-DEPTH OF SLAB ON GRADE AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING AND ALL WALL OPENINGS. SEE G/S-3.1.
8. C.J. DENOTES SLAB CONTROL / CONSTRUCTION JOINT, SEE B/S-3.1.
9. PROVIDE DEEPENED SLAB UNDER ALL INTERIOR NON-BEARING MASONRY PARTITION WALLS 6" OR THINNER, SEE D/S-3.1.
10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF INTERIOR PARTITION WALLS.
11. PROVIDE 5" CONCRETE UNDER TRENCH DRAINS.
12. FLOOR SLAB SHALL BE 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH #4 AT 12"o.c. EACH WAY OVER 2VL1 20 COMPOSITE FLOOR DECK BY VULCRAFT OR EQUIVALENT (3 SPAN MINIMUM.).
13. CMU WALLS AT STAIRS SHALL BE 8" CMU AND SHALL BE REINFORCED FULL HEIGHT WITH #5 AT 32"o.c.
14. 8" CMU SHEAR WALL WITH #5 AT 24" o.c.

## KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

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FOUNDATION AND SLAB ON GRADE PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

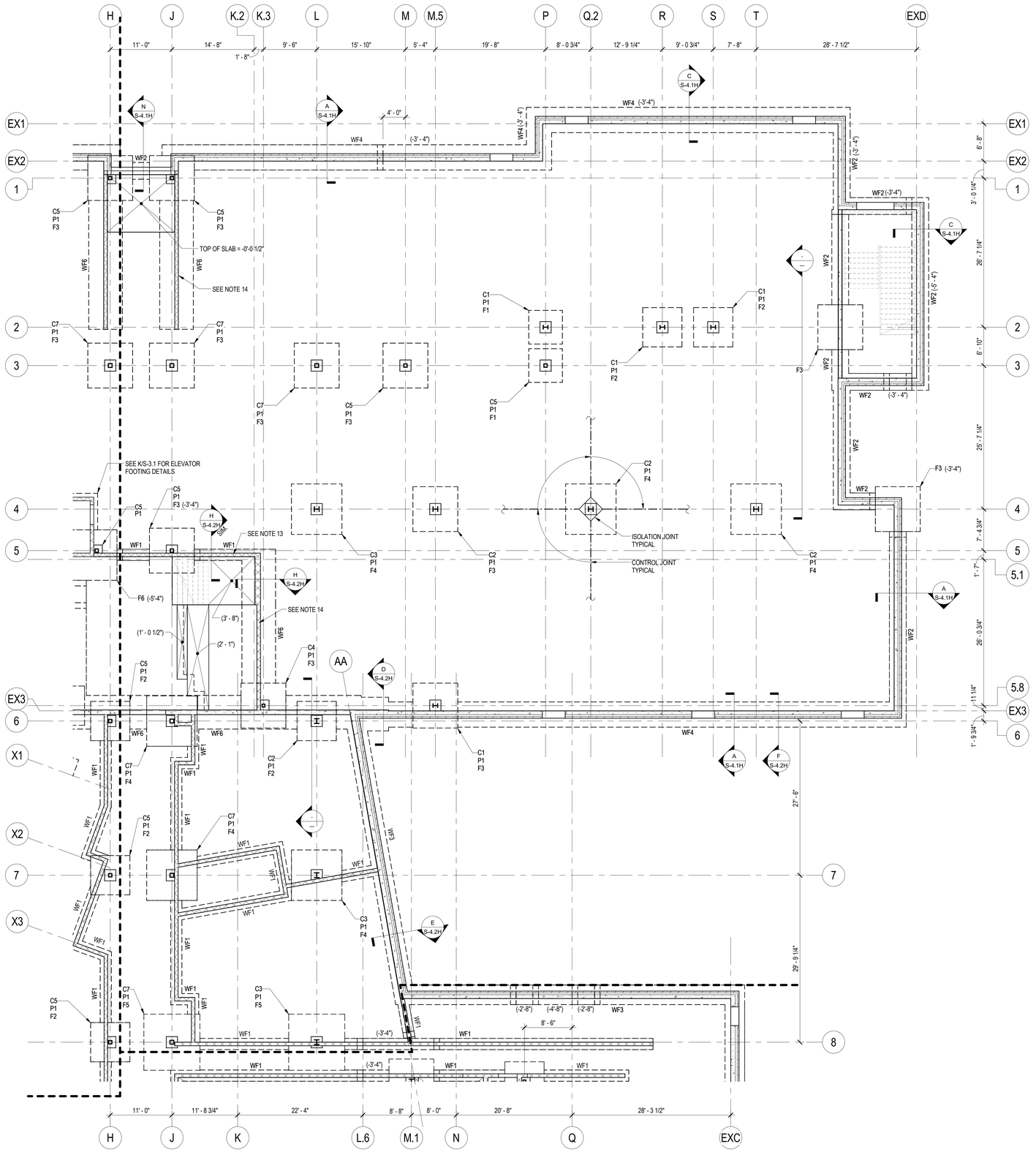
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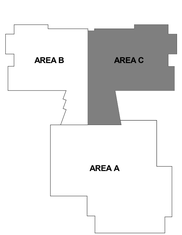

## FOUNDATION AND SLAB ON GRADE PLAN - AREA C

NOT TO SCALE

**FOUNDATION AND SLAB ON GRADE NOTES:**

1. SLAB ON GRADE UNLESS NOTED OTHERWISE SHALL BE 5" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6", W2.1 x W2.1 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
2. SLAB ON GRADE AT MECHANICAL ROOMS SHALL BE 6" THICK NORMAL WEIGHT CONCRETE (145 PCF, f'c=3000 PSI) REINFORCED WITH 6"x6", W2.9 x W2.9 W.W.F. ON 15 MIL VAPOR BARRIER OVER A 6" THICK LAYER OF WASHED GRAVEL.
3. TOP OF SLAB ON GRADE ELEVATION SHALL BE 82'-9" (DATUM 0'-0") UNLESS NOTED OTHERWISE.
4. TOP OF CONCRETE PIER ELEVATION SHALL BE 8" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (.....).
5. TOP OF FOOTING ELEVATION SHALL BE 2'-0" BELOW TOP OF SLAB ON GRADE ELEVATION UNLESS NOTED OTHERWISE THUS: (.....). ELEVATIONS ON PLANS ARE FOR BID PURPOSES ONLY AND MAY HAVE TO BE FIELD ADJUSTED. LOWER ALL FOOTINGS AS REQUIRED BELOW ALL UTILITY LINES AND INSTALL GALVANIZED SLEEVES.
6. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF DEPRESSED AND SLOPED SLAB AREAS.
7. PROVIDE 1-#4 x 2'-6" LONG AT MID-DEPTH OF SLAB ON GRADE AT ALL RE-ENTRANT CORNERS AND COLUMN ISOLATION JOINT CORNERS THAT DO NOT HAVE A CONTROL OR CONSTRUCTION JOINT TERMINATING AND ALL WALL OPENINGS. SEE G/S-3.1.
8. C.J. DENOTES SLAB CONTROL / CONSTRUCTION JOINT, SEE B/S-3.1.
9. PROVIDE DEEPENED SLAB UNDER ALL INTERIOR NON-BEARING MASONRY PARTITION WALLS 6" OR THINNER, SEE D/S-3.1.
10. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF INTERIOR PARTITION WALLS.
11. PROVIDE 5" CONCRETE UNDER TRENCH DRAINS.
12. FLOOR SLAB SHALL BE 8" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH #4 AT 12"o.c. EACH WAY OVER 2VL1 20 COMPOSITE FLOOR DECK BY VULCRAFT OR EQUIVALENT (3 SPAN MINIMUM.).
13. CMU WALLS AT STAIRS SHALL BE 8" CMU AND SHALL BE REINFORCED FULL HEIGHT WITH #5 AT 32"o.c.
14. 8" CMU SHEAR WALL WITH #5 AT 24" o.c.

### KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

N

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GP# 21553

FOUNDATION AND SLAB ON GRADE PLAN - AREA C

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

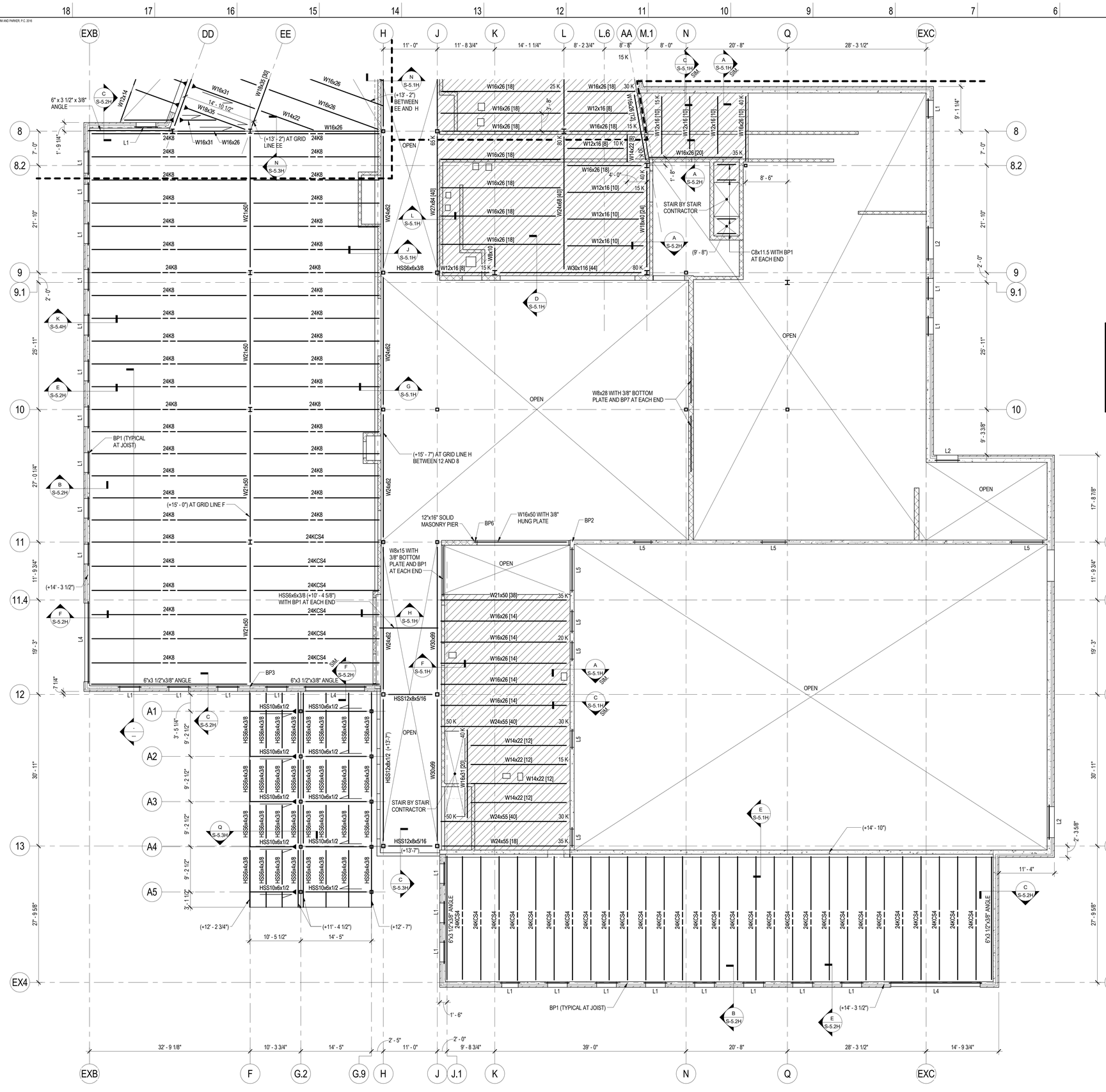
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## ICF WALL LINTEL SCHEDULE

| MARK | BRICK LINTEL TYPE | BRICK LINTEL | CONCRETE CORE ICF LINTEL | REMARKS |
|---|---|---|---|---|
| L1 | LOOSE ANGLE | 5"x5"x3/8" | STANDARD WALL WITH 2-#5 AT HEAD | SEE H/S3.2 |
| L2 | LOOSE ANGLE | 5"x5"x1/2" | STANDARD WALL WITH 2-#5 AT HEAD | SEE H/S3.2 |
| L3 | ANGLE WELDED TO PLATE | 5"x5"x3/8" | 2-#5 AT HEAD, 2-#5 AT 18" O.C. HORIZONTAL, #4 AT 12" EACH FACE | SEE K/S5.1, K/S5.2, J/S5.2 |
| L4 | NA | NA | STANDARD WALL WITH 2-#6 AT HEAD | SEE F/S5.2 |
| L5 | NA | NA | STANDARD WALL WITH 2-#5 AT HEAD | SEE F/S3.2 |

## BEARING PLATE SCHEDULE

| MARK | SIZE | ANCHOR |
|---|---|---|
| BP1 | 4"x6"x1/2" | (2) 1/2" DIAMETER x 4" LONG HEADED STUDS |
| BP2 | 4"x8"x1" | (2) 1/2" DIAMETER x 4" LONG HEADED STUDS |
| BP3 | 4"x10"x1-1/4" | (2) 1/2" DIAMETER x 4" LONG HEADED STUDS |
| BP4 | 4"x12"x1-1/2" | (2) 1/2" DIAMETER x 8" LONG HEADED STUDS |
| BP5 | 4"x16"x2-1/4" | (2) 5/8" DIAMETER x 1'-0" LONG ANCHOR BOLTS WITH 3" HOOK |
| BP6 | 6"x10"x5/8" | (2) 1/2" DIAMETER x 4" LONG HEADED STUDS |
| BP7 | 6"x10"x1/2" | (2) 1/2" DIAMETER x 4" LONG HEADED STUDS |
| BP8 | 6"x8"x1/2" | (2) 5/8" DIAMETER x 6" LONG ANCHOR BOLTS |

**NOTE:**
LONG DIMENSION SHALL BE PERPENDICULAR TO BEAM OR JOIST.

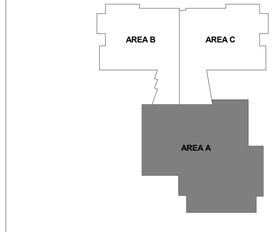
**PENTHOUSE FLOOR FRAMING NOTES:**

1. FLOOR SLAB SHALL BE 6" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH #4 AT 12"o.c. EACH WAY OVER 2VLI-20 GA COMPOSITE FLOOR DECK BY VULCRAFT OR EQUIVALENT (3 SPAN MINIMUM, 8" TOTAL THICKNESS). AREA SHOWN HATCHED. TOP OF SLAB AT ROOM 2101 = +19'-4". TOP OF SLAB AT ROOM 2501 = +14'-8".
2. TOP OF STEEL ELEVATION (UNDERSIDE OF DECK) NOTED ON PLAN IS MEASURED FROM DATUM ELEVATION.
3. [No.] DENOTES NUMBER OF 3/4" DIAMETER x 4" LONG HEADED STUDS WELDED TO STEEL BEAM. SPACE UNIFORMLY ALONG BEAM LENGTH UNLESS NOTED OTHERWISE.
4. SEE MECHANICAL DRAWINGS FOR ALL PADS.
5. BEAMS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
6. PROVIDE 2-#5 BARS AT MID-DEPTH OF SLAB EACH SIDE OF OPENINGS 1'-0"x1'-0" OR SMALLER. EXTEND BARS 2'-0" BEYOND OPENINGS. PROVIDE C6x8.2 FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0" PER J/S-3.4. COORDINATE LOCATIONS AND SIZES OF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
7. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM.

**LOW ROOF FRAMING NOTES:**

1. ROOF DECK SHALL BE 1.5B-18 GA GALVANIZED METAL ROOF DECK BY VULCRAFT OR EQUIVALENT (3 SPAN UNLESS NOTED OTHERWISE). ROOF DECK SHALL BE ATTACHED WITH 3/4"DIA. PUDDLE WELDS IN A 36/6 PATTERN. PROVIDE 1-#10 SIDELAP AT MID SPAN.
2. TOP OF STEEL ELEVATION (UNDERSIDE OF DECK) NOTED ON PLAN IS MEASURED FROM DATUM ELEVATION. BEAMS SUPPORTING JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
3. BEAMS AND JOISTS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
4. PROVIDE 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0" PER C/S-3.5. COORDINATE LOCATIONS AND SIZES OF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. PROVIDE 4"x4"x5/16" ANGLE FRAME (4 SIDES) UNDER ROOF TOP UNITS. COORDINATE LOCATIONS AND SIZES WITH MECHANICAL DRAWINGS.
6. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM OR JOIST.
7. JOIST SHALL BE DESIGNED FOR A UPLIFT OF 15 PSF.
8. ▶ DENOTES MOMENT CONNECTION.
9. ⟋ DENOTES SLOPPING BEAM.

## KEY PLAN




Scale: 1 inch = 8 feet
0 4' 8' 16' 24' 32'

# LOW ROOF AND PENTHOUSE FLOOR FRAMING PLAN - AREA A

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

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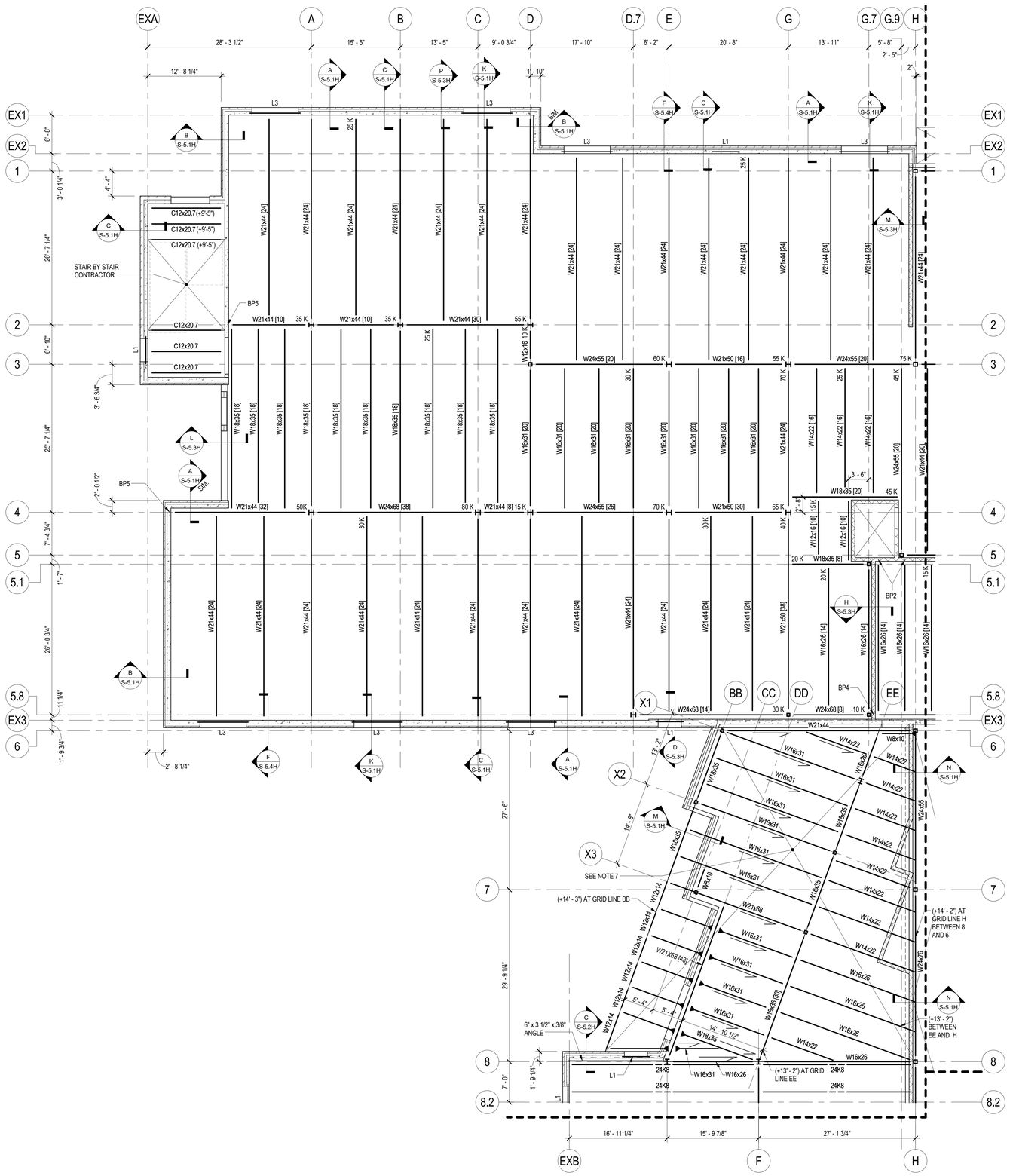
GP# 21553

PENTHOUSE FLOOR AND LOW ROOF FRAMING PLAN - AREA A
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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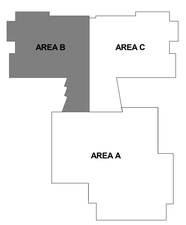

## 2ND FLOOR AND LOW ROOF FRAMING PLAN - AREA B

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

**FLOOR FRAMING AND LOW ROOF NOTES:**

1. FLOOR SLAB SHALL BE 3" THICK NORMAL WEIGHT CONCRETE REINFORCED WITH 6"x6", W2.1xW2.1 WWF OVER 2VLI-20 GA COMPOSITE FLOOR DECK BY VULCRAFT OR EQUIVALENT (3 SPAN MINIMUM), 5" TOTAL THICKNESS).
2. TOP OF FLOOR SLAB ELEVATION SHALL BE +14'-8" ABOVE DATUM ELEVATION UNLESS NOTED OTHERWISE. TOP OF STEEL SHALL BE 5" BELOW TOP OF SLAB ELEVATION UNLESS NOTED OTHERWISE THUS: (.....).
3. [No.] DENOTES NUMBER OF 3/4" DIAMETER x4" LONG HEADED STUDS WELDED TO STEEL BEAM. SPACE UNIFORMLY ALONG BEAM LENGTH UNLESS NOTED OTHERWISE.
4. BEAMS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
5. PROVIDE 2-#5 BARS AT MID-DEPTH OF SLAB EACH SIDE OF OPENINGS 1'-0"x1'-0" OR SMALLER. EXTEND BARS 2'-0" BEYOND OPENINGS. PROVIDE C6x8.2 FRAME AROUND OPENINGS LARGER THAN 1'-0"x1'-0" PER JIS-3.4. COORDINATE LOCATIONS AND SIZES WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
6. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM.
7. FLOOR SLAB SHALL BE 3" THICK NORMAL WEIGHT AIR ENTRAINED CONCRETE REINFORCED WITH 6"x6" W2.1xW2.1 WWF OVER 2VLPA 20/20 COMPOSITE ACOUSTIC CELLULAR DECK BY VULCRAFT OR EQUIVALENT, (3 SPAN MIN.) 5" TOTAL THICKNESS.
8. ▶— DENOTES MOMENT CONNECTION.
9. —→ DENOTES SLOPPING BEAM.

## KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

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GP# 21553

2ND FLOOR AND LOW ROOF FRAMING PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

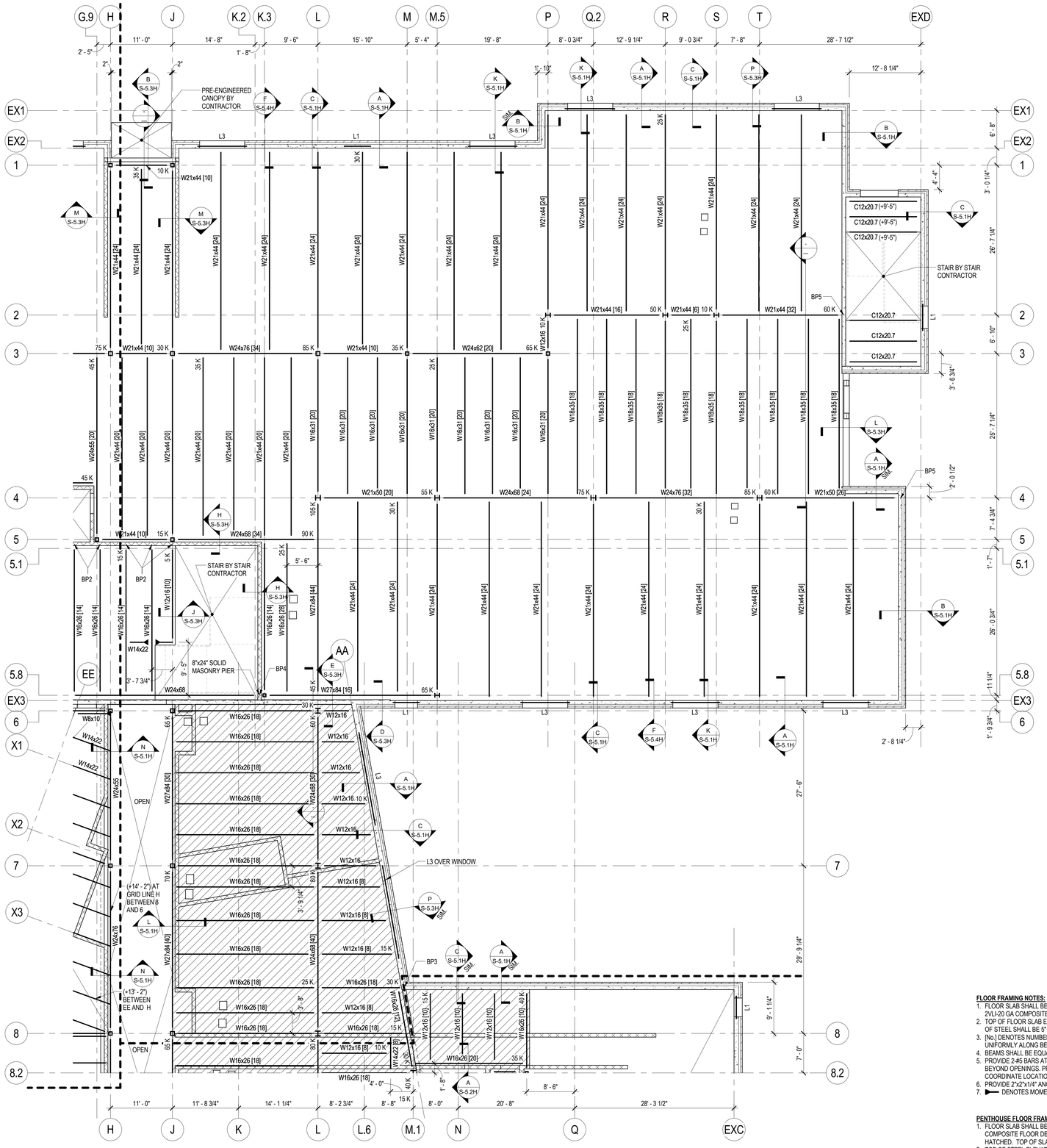
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**S-1.5H**

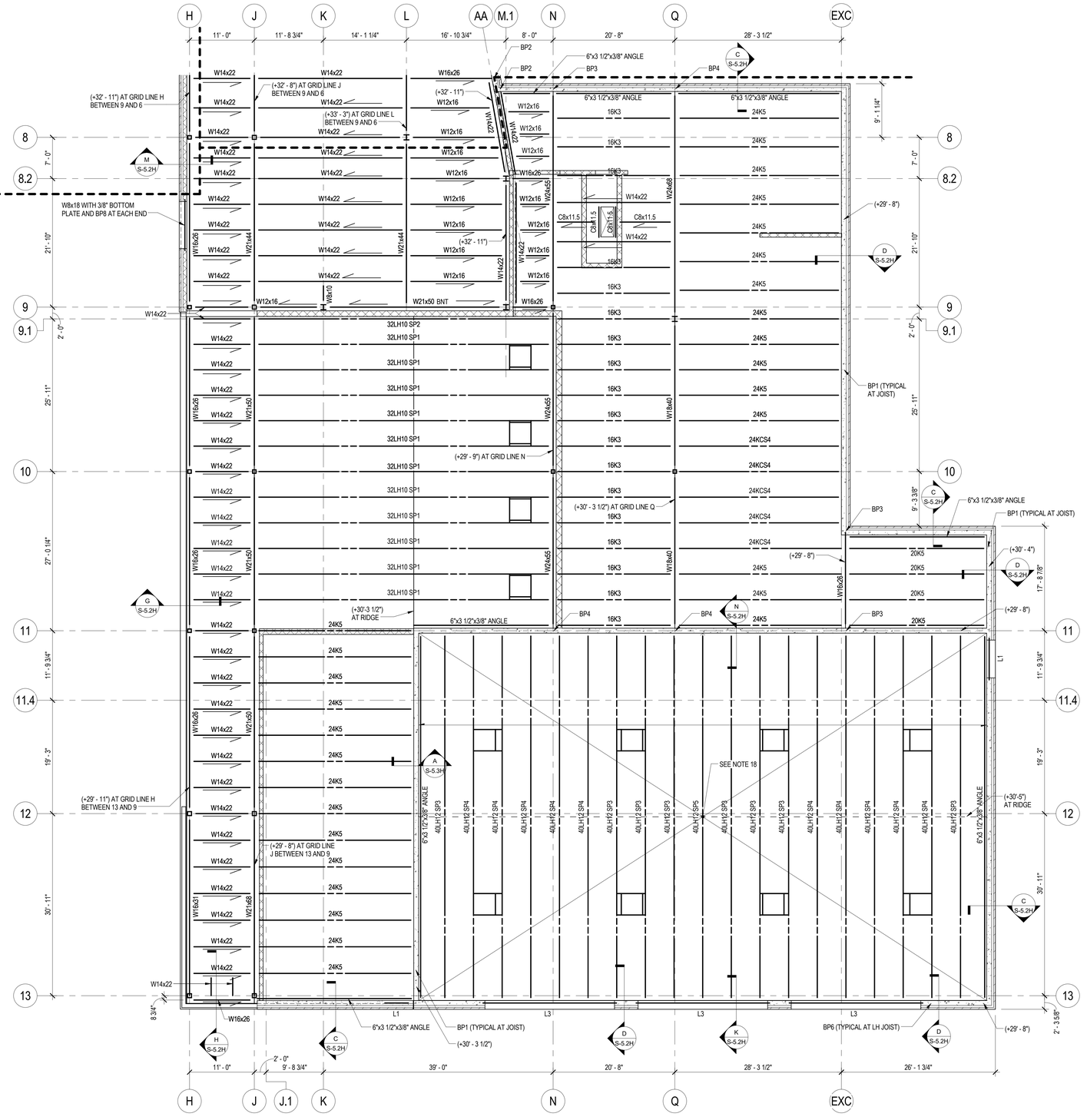
03/13/2017
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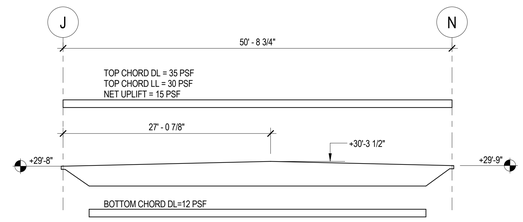

G.9
H
J
K.2
K.3
L
M
M.5
P
Q.2
R
S
T
EXD
EX1
EX2
1
2
3
4
5
5.1
5.8
EX3
6
X1
X2
7
X3
8
8.2
EE
AA
11' - 0"
14' - 8"
1' - 8"
9' - 6"
15' - 10"
5' - 4"
19' - 8"
8' - 0 3/4"
12' - 9 1/4"
9' - 0 3/4"
7' - 8"
28' - 7 1/2"
12' - 8 1/4"
PRE-ENGINEERED CANOPY BY CONTRACTOR
STAIR BY STAIR CONTRACTOR
STAIR BY STAIR CONTRACTOR
8"x24" SOLID MASONRY PIER
OPEN
OPEN
(+14' - 2") AT GRID LINE H BETWEEN 8 AND 6
(+13' - 2") BETWEEN EE AND H
L3 OVER WINDOW
C12x20.7 (+9'-5")
C12x20.7 (+9'-5")
C12x20.7 (+9'-5")
C12x20.7
C12x20.7
C12x20.7
W21x44 [10]
W21x44 [24]
W21x44 [16]
W21x44 [6]
W21x44 [32]
W24x76 [34]
W24x62 [20]
W24x55 [20]
W24x68 [34]
W24x68 [24]
W24x76 [32]
W21x50 [20]
W21x50 [26]
W16x31 [20]
W18x35 [18]
W16x26 [14]
W16x26 [18]
W16x26 [20]
W12x16 [10]
W12x16 [8]
W14x22
W8x10
W24x84 [44]
W27x84 [30]
W27x84 [40]
W24x68 [30]
W24x68 [40]
W24x65
W24x76
W12x16
W12x16.10
W21x68 [24]
W24x68
W27x84 [24]
W14x257 [80]
W12x16 [10]
W16x26 [28]
W16x26 [14]
W16x26 [18]
W16x26 [20]
W12x16 [8]
W12x16.10
W14x22
W14x22
W24x65
W24x76
W27x84 [30]
W27x84 [40]
W24x68 [30]
W24x68 [40]
W12x16
W12x16.10
W12x16 [8]
W16x26 [18]
W16x26 [20]
W12x16 [10]
W14x257 [80]
W16x26 [28]
W16x26 [14]
W16x26 [18]
W16x26 [20]
W12x16 [8]
W12x16 [10]
W14x257 [80]
W16x26 [28]
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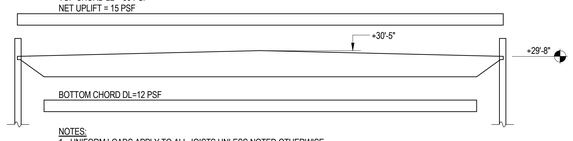

## ROOF FRAMING PLAN - AREA A

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




NOTES:
1. UNIFORM LOADS APPLY TO ALL JOISTS UNLESS NOTED OTHERWISE.
2. JOISTS MUST BE DESIGNED FOR A MAXIMUM LIVE LOAD DEFLECTION OF L/360.
3. LIMIT LIVE LOAD DEFLECTION AT SP2 TO 1".

### 32LH SP1-SP2

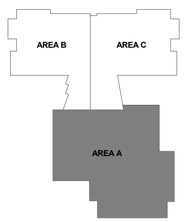



NOTES:
1. UNIFORM LOADS APPLY TO ALL JOISTS UNLESS NOTED OTHERWISE.
2. AT SP4 JOISTS MUST ALSO BE DESIGNED FOR A 1000 LBS LIVE POINT LOAD AT EACH BACK BOARD SUPPORT. THE JOIST FABRICATOR MUST COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF SUPPORT.
3. JOIST MUST BE DESIGNED TO ACCOMMODATE MECHANICAL DUCT OPENINGS, THE JOIST FABRICATOR MUST COORDINATE WITH THE MECHANICAL DRAWINGS AND CONTRACTOR FOR THE EXACT SIZES AND LOCATIONS.
4. JOISTS MUST BE DESIGNED FOR A MAXIMUM LIVE LOAD DEFLECTION OF L/360.
5. BOTTOM CHORD LIVE LOAD AT SP5 = 100 PLF.

### 40LH SP3, SP4 AND SP5

**ROOF FRAMING NOTES:**
1. ROOF DECK SHALL BE 1.5B-18 GA GALVANIZED METAL ROOF DECK BY VULCRAFT OR EQUIVALENT (3 SPAN UNLESS NOTED OTHERWISE). ROOF DECK SHALL BE ATTACHED WITH 3/4"DIA. PUDDLE WELDS IN A 36/6 PATTERN. PROVIDE 1-#10 SIDELAP SCREW AT MID SPAN.
2. TOP OF STEEL ELEVATION (UNDERSIDE OF DECK) NOTED ON PLAN IS MEASURED FROM DATUM ELEVATION. BEAMS SUPPORTING K SERIES JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE. BEAMS SUPPORTING LH SERIES JOISTS SHALL BE 5" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
3. BEAMS AND JOISTS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
4. PROVIDE 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0" PER C/S-3.5. COORDINATE LOCATIONS AND SIZES OF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. PROVIDE 4"x4"x5/16" ANGLE FRAME (4 SIDES) UNDER ROOF TOP UNITS. COORDINATE LOCATIONS AND SIZES WITH MECHANICAL DRAWINGS.
6. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM OR JOIST.
7. JOISTS SHALL BE DESIGNED FOR A UPLIFT OF 15 PSF.
8. ROOF DECK AT GYM SHALL BE 1.5BA-18 GA GALVANIZED METAL ROOF DECK BY VULCRAFT OR EQUIVALENT (3 SPAN UNLESS NOTED OTHERWISE). ROOF DECK SHALL BE ATTACHED WITH 3/4"DIAMETER PUDDLE WELDS IN 36/6 PATTERN. PROVIDE 1-#10 SIDELAP SCREW AT MID SPAN.
9. SP DENOTES SPECIAL JOIST. SEE SPECIAL JOIST SCHEDULE.
10. ——— DENOTES SLOPPING BEAM.

### KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

N

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ROOF FRAMING PLAN - AREA A

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CITY OF BALTIMORE, MARYLAND

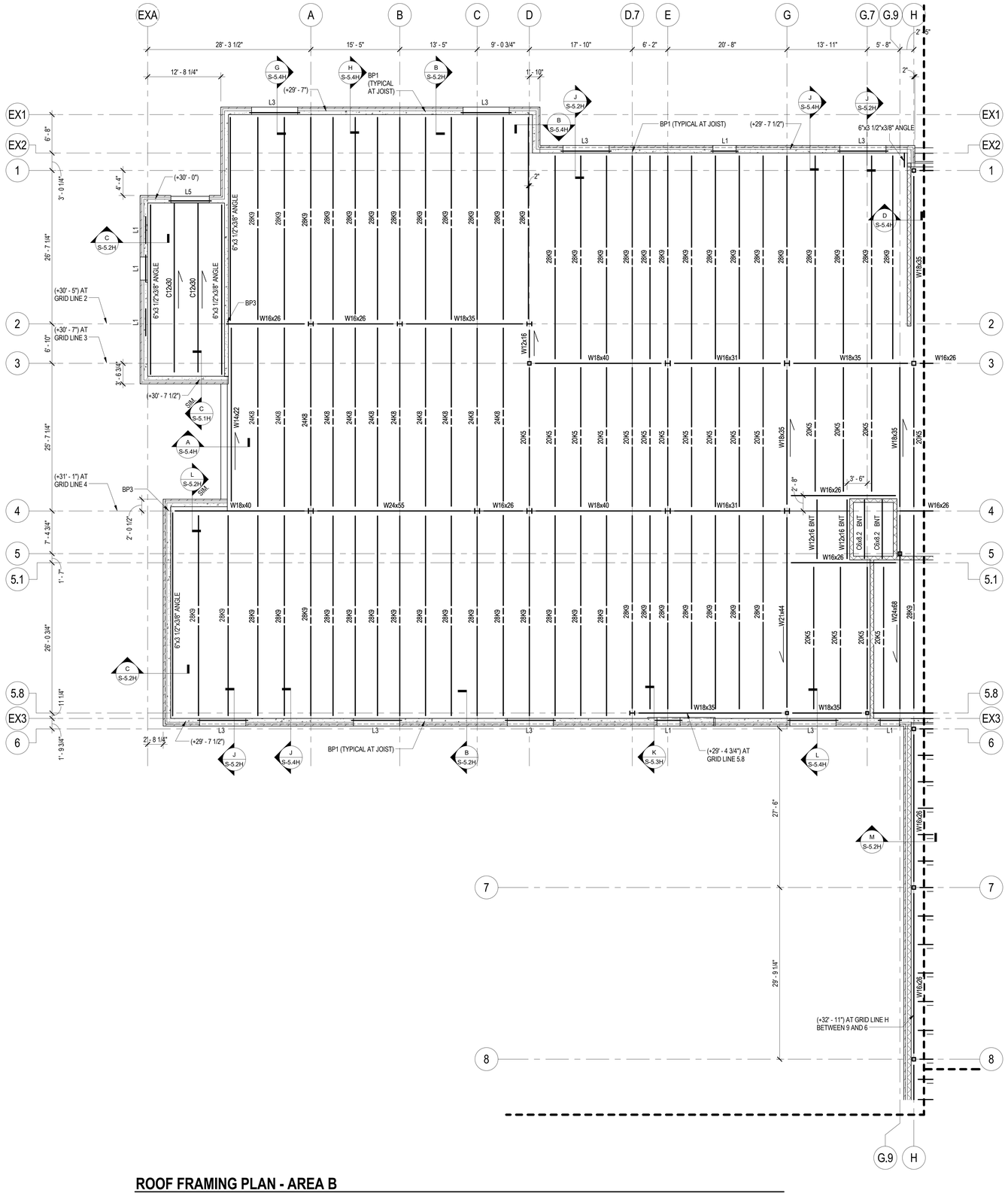
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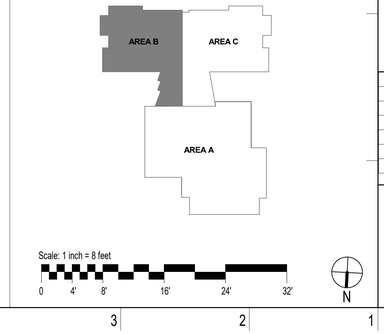

**ROOF FRAMING NOTES:**

1. ROOF DECK SHALL BE 1.5B-18 GA GALVANIZED METAL ROOF DECK BY VULCRAFT OR EQUIVALENT (3 SPAN UNLESS NOTED OTHERWISE). ROOF DECK SHALL BE ATTACHED WITH 3/4"DIA. PUDDLE WELDS IN A 36/6 PATTERN. PROVIDE 1-#10 SIDELAP AT MID SPAN.
2. TOP OF STEEL ELEVATION (UNDERSIDE OF DECK) NOTED ON PLAN IS MEASURED FROM DATUM ELEVATION. BEAMS SUPPORTING JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
3. BEAMS AND JOISTS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
4. PROVIDE 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0" PER C/S-3.5. COORDINATE LOCATIONS AND SIZES OF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. PROVIDE 4"x4"x5/16" ANGLE FRAME (4 SIDES) UNDER ROOF TOP UNITS. COORDINATE LOCATIONS AND SIZES WITH MECHANICAL DRAWINGS.
6. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM OR JOIST.
7. JOIST SHALL BE DESIGNED FOR A UPLIFT OF 15 PSF.
8. BNT DENOTES BENT MEMBER.
9. ——⟋ DENOTES SLOPPING BEAM.

## ROOF FRAMING PLAN - AREA B

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

**KEY PLAN**




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ROOF FRAMING PLAN - AREA B

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

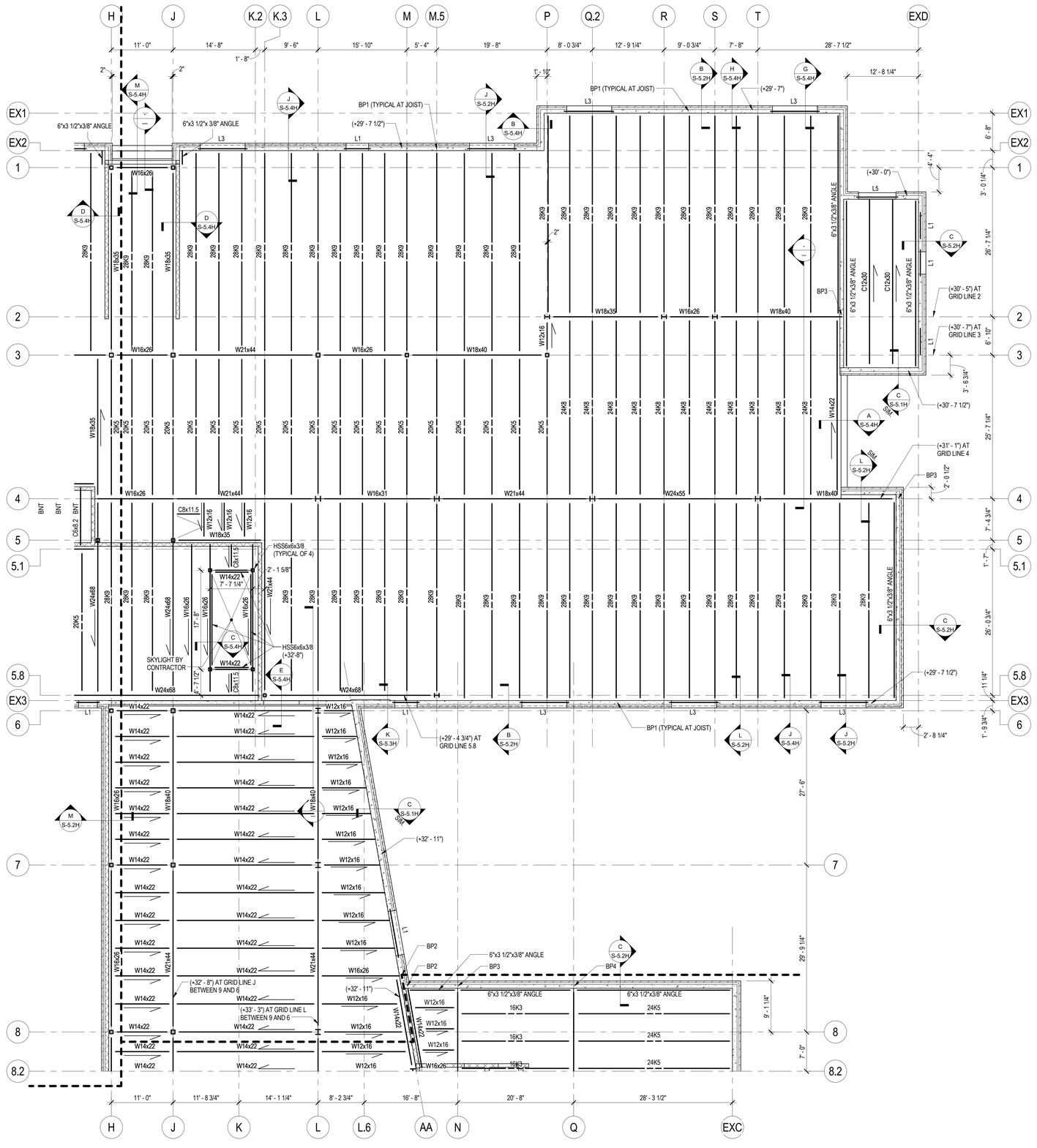
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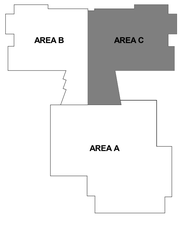

## ROOF FRAMING PLAN - AREA C

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

**ROOF FRAMING NOTES:**

1. ROOF DECK SHALL BE 1.5B-18 GA GALVANIZED METAL ROOF DECK BY VULCRAFT OR EQUIVALENT (3 SPAN UNLESS NOTED OTHERWISE). ROOF DECK SHALL BE ATTACHED WITH 3/4"DIA. PUDDLE WELDS IN A 36/6 PATTERN. PROVIDE 1-#10 SIDELAP AT MID SPAN.
2. TOP OF STEEL ELEVATION (UNDERSIDE OF DECK) NOTED ON PLAN IS MEASURED FROM DATUM ELEVATION. BEAMS SUPPORTING JOISTS SHALL BE 3 1/2" BELOW TOP OF STEEL UNLESS NOTED OTHERWISE.
3. BEAMS AND JOISTS SHALL BE EQUALLY SPACED BETWEEN SUPPORTS UNLESS NOTED OTHERWISE.
4. PROVIDE 4"x3"x5/16" ANGLE FRAME (4 SIDES) AROUND ALL ROOF OPENINGS LARGER THAN 1'-0"x1'-0" PER C/S-3.5. COORDINATE LOCATIONS AND SIZES OF OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. PROVIDE 4"x4"x5/16" ANGLE FRAME (4 SIDES) UNDER ROOF TOP UNITS. COORDINATE LOCATIONS AND SIZES WITH MECHANICAL DRAWINGS.
6. PROVIDE 2"x2"x1/4" ANGLE FOR DECK SUPPORT AT ALL COLUMN FACES THAT DO NOT HAVE A BEAM OR JOIST.
7. JOIST SHALL BE DESIGNED FOR A UPLIFT OF 15 PSF.
8. BNT DENOTES BENT MEMBER.
9. ——→ DENOTES SLOPPING BEAM.

## KEY PLAN




Scale: 1 inch = 8 feet

0 4' 8' 16' 24' 32'

N

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ROOF FRAMING PLAN - AREA C

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

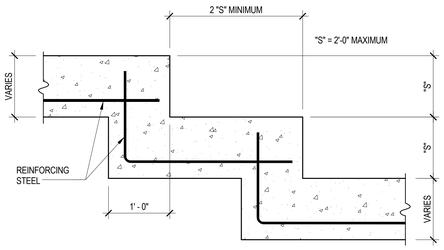
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03/13/2017
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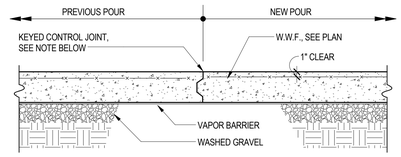
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STEP FOOTING

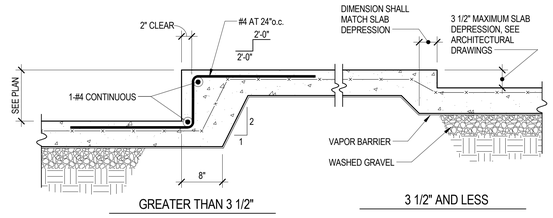
A S-3.1H TYPICAL DETAIL
NOT TO SCALE




NOTE:
BETWEEN CONSTRUCTION JOINTS, THE CONTRACTOR SHALL PROVIDE SAW CUT CONTROL JOINTS THAT SHALL BE SPACED AS SHOWN ON PLANS AND/OR AS INDICATED IN THE GENERAL NOTES. SAW CUT JOINTS SHALL BE 1/4 OF THE SLAB THICKNESS IN DEPTH AND SHALL BE CUT AS SOON AS THE CONCRETE IS FIRM ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE AND BEFORE RANDOM SHRINKAGE CRACKS CAN FORM IN THE CONCRETE SLAB.

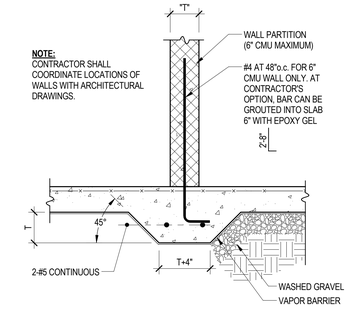
CONSTRUCTION JOINT IN SLAB ON GRADE

B S-3.1H TYPICAL DETAIL
NOT TO SCALE




DEPRESSED SLAB ON GRADE

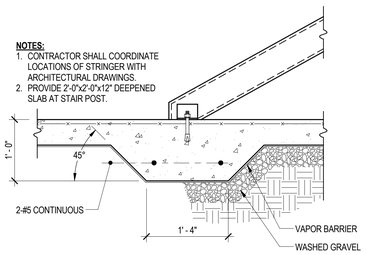
C S-3.1H TYPICAL DETAIL
NOT TO SCALE




NOTE:
CONTRACTOR SHALL COORDINATE LOCATIONS OF WALLS WITH ARCHITECTURAL DRAWINGS.

DEEPENED SLAB FOR NON-BEARING MASONRY WALL

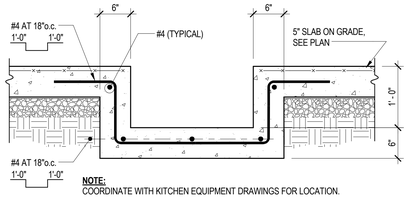
D S-3.1H TYPICAL DETAIL
NOT TO SCALE




NOTES:
1. CONTRACTOR SHALL COORDINATE LOCATIONS OF STRINGER WITH ARCHITECTURAL DRAWINGS.
2. PROVIDE 2'-0"x2'-0"x12" DEEPENED SLAB AT STAIR POST.

DEEPENED SLAB FOR STAIR STRINGER SUPPORT

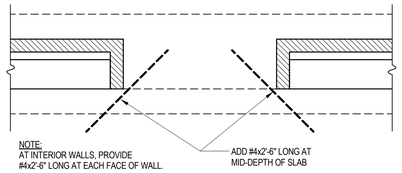
E S-3.1H TYPICAL DETAIL
NOT TO SCALE




NOTE:
COORDINATE WITH KITCHEN EQUIPMENT DRAWINGS FOR LOCATION.

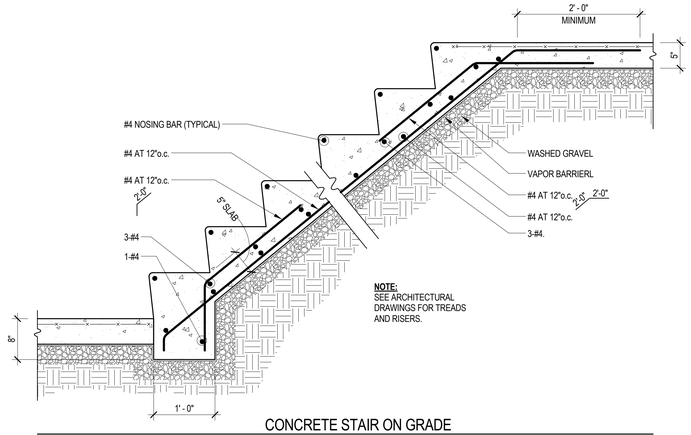
FLOOR TROUGH AT KITCHEN

F S-3.1H TYPICAL DETAIL
NOT TO SCALE




ADDED SLAB REINFORCEMENT AT WALL OPENINGS

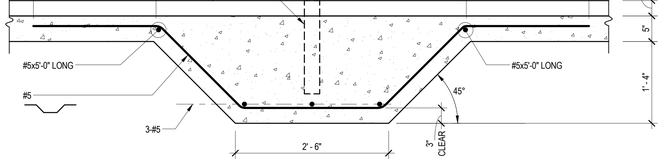
G S-3.1H TYPICAL DETAIL
NOT TO SCALE




NOTE:
SEE ARCHITECTURAL DRAWINGS FOR TREADS AND RISERS.

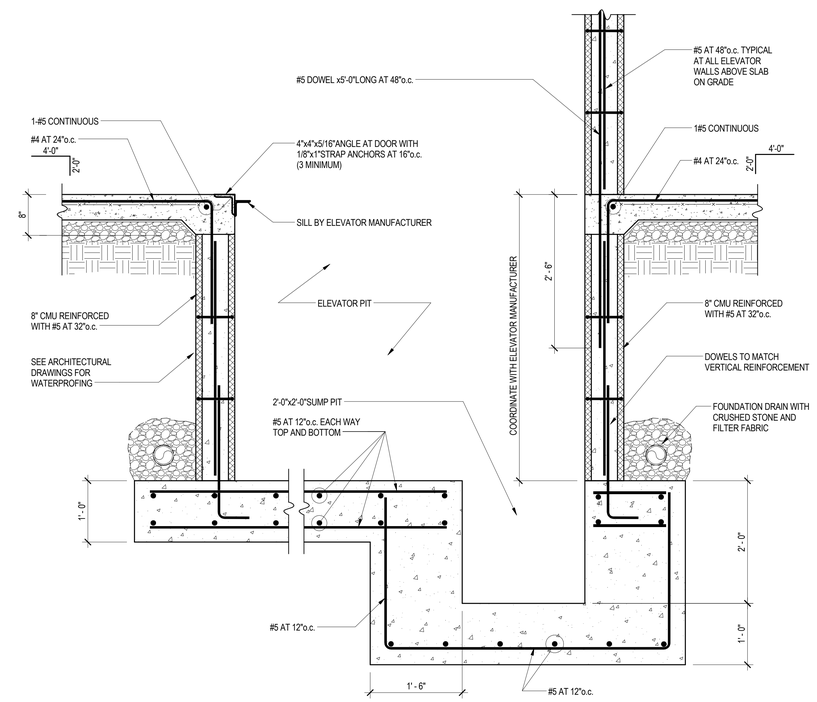
CONCRETE STAIR ON GRADE

H S-3.1H TYPICAL DETAIL
NOT TO SCALE



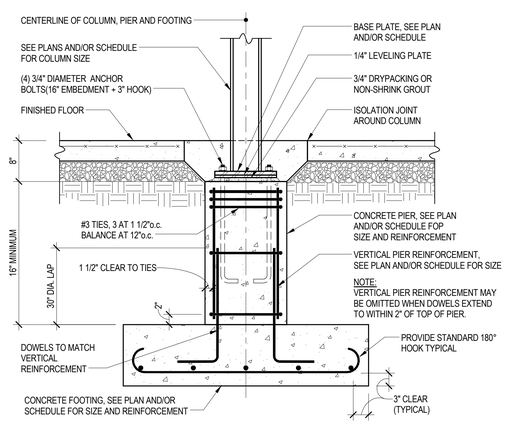

FLOOR SLEEVE THICKENED SLAB

J S-3.1H TYPICAL DETAIL
NOT TO SCALE



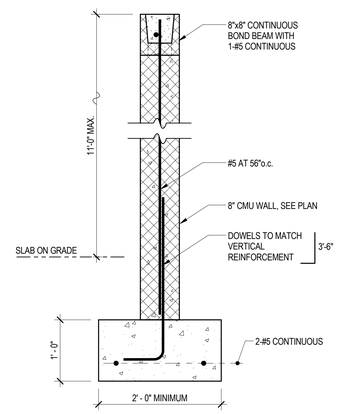

ELEVATOR PIT

K S-3.1H TYPICAL DETAIL
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COLUMN, FOOTING AND PIER

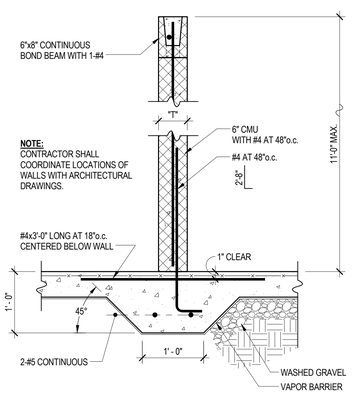
L S-3.1H TYPICAL DETAIL
NOT TO SCALE




WALL FOOTING AND REINFORCING FOR 8" NON-BEARING UNBRACED MASONRY WALLS

NOTE:
TYPICAL DETAIL APPLIES ONLY AT WALLS IN THE KITCHEN AND STORAGE IN AREA A.

M S-3.1H TYPICAL DETAIL
NOT TO SCALE




DEEPENED SLAB AND REINFORCING FOR 6" UNBRACED NON-BEARING MASONRY WALLS

NOTE:
DETAIL APPLIES ONLY AT WALLS IN THE KITCHEN AND STORAGE IN AREA A.

N S-3.1H TYPICAL DETAIL
NOT TO SCALE

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TYPICAL DETAILS

HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

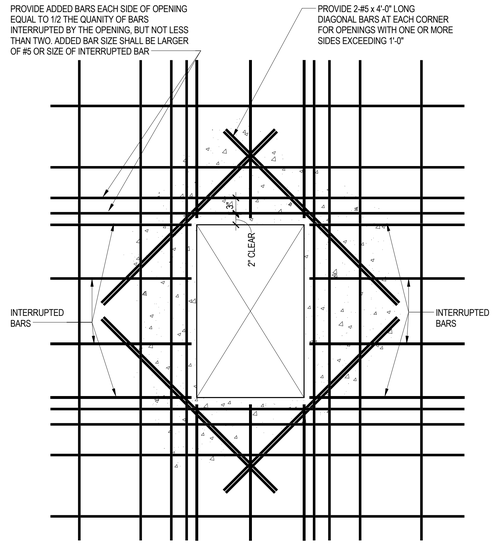
| DATE | DESCRIPTION |
|---|---|

**S-3.1H**

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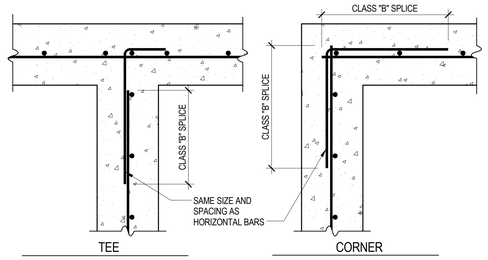
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**NOTE:**
INSTALL SLEEVES AT PIPE PENETRATIONS. SLEEVE SHALL BE 2" LARGER THAN PIPE DIAMETER. FILL SPACE WITH COMPRESSIBLE FILLER.

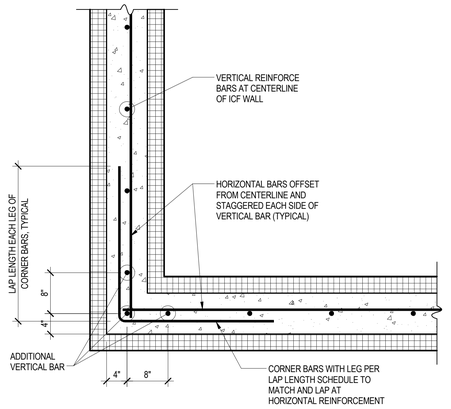
BAR PLACING DETAIL AT OPENING IN CONCRETE SLAB AND WALL

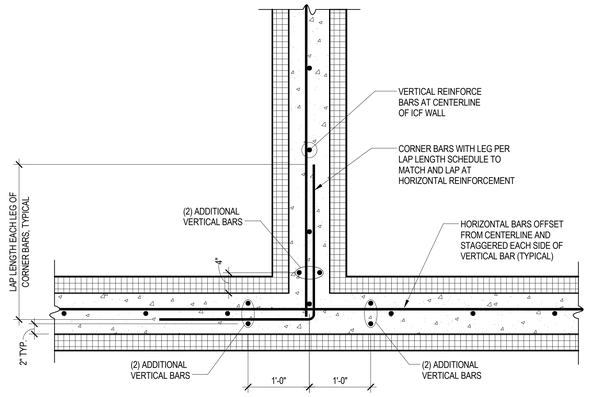
A S-3.2H TYPICAL DETAIL
NOT TO SCALE




CONCRETE WALL INTERSECTIONS (PLAN VIEW)

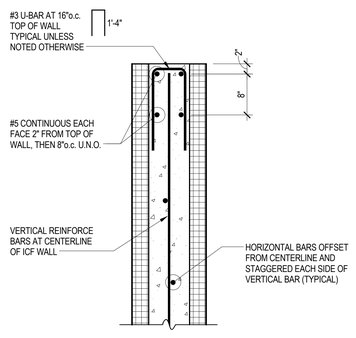
B S-3.2H TYPICAL DETAIL
NOT TO SCALE



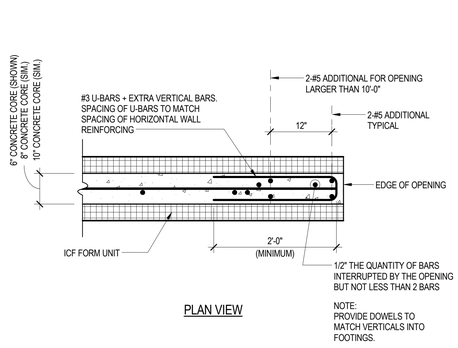

PLAN VIEW - ICF WALL REINFORCING

C S-3.2H TYPICAL DETAIL
NOT TO SCALE




ELEVATION - TOP OF WALL REINFORCING

D S-3.2H TYPICAL DETAIL
NOT TO SCALE

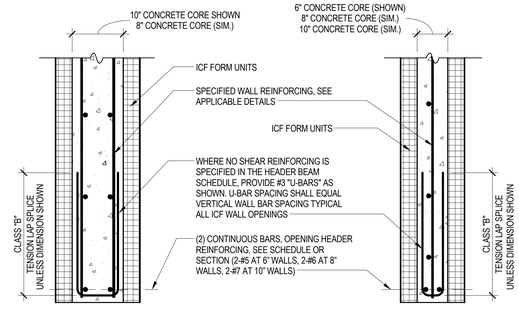



PLAN VIEW

NOTE:
PROVIDE DOWELS TO MATCH VERTICALS INTO FOOTINGS.

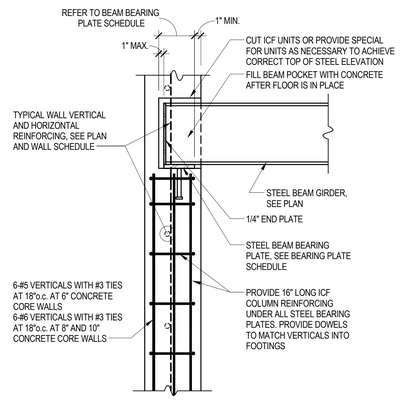
END OF WALL/OPENING DETAIL

E S-3.2H TYPICAL DETAIL
NOT TO SCALE




WALL OPENING HEADER REINFORCING

F S-3.2H TYPICAL DETAIL
NOT TO SCALE



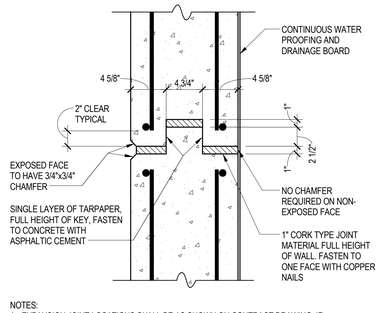

GIRDER BEAM ON ICF WALL

G S-3.2H TYPICAL DETAIL
NOT TO SCALE




CONTROL JOINT IN RETAINING CONCRETE WALL

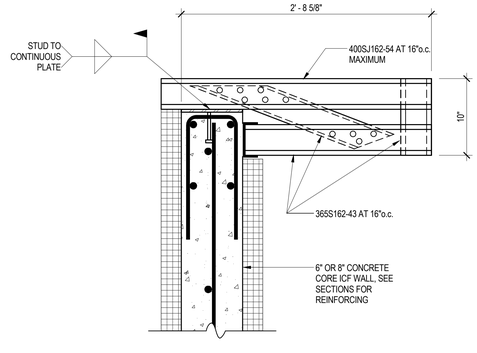
H S-3.2H TYPICAL DETAIL
NOT TO SCALE




NOTES:
1. EXPANSION JOINT LOCATIONS SHALL BE AS SHOWN ON CONTRACT DRAWING. IF NO LOCATIONS ARE GIVEN, CONCRETE RETAINING WALLS SHALL HAVE EXPANSION JOINTS WITH CORK TYPE EXPANSION MATERIAL A MAXIMUM OF EVERY 100'-0".
2. STOP KEY 9" BELOW TOP OF WALL.
3. REINFORCING STEEL SHALL NOT PASS THROUGH EXPANSION JOINT.
4. ONLY PLACE EXPANSION JOINT IN STEMS ( NO JOINT IN FOOTING).

EXPANSION JOINT IN RETAINING WALL

J S-3.2H TYPICAL DETAIL
NOT TO SCALE




K S-3.2H TYPICAL DETAIL
SCALE: 1 1/2" = 1'-0"

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Columbia, MD 21045
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Professional certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14479, Expiration Date: 06-22-2017
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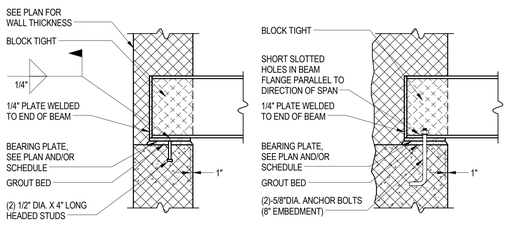
TYPICAL DETAILS
HOLABIRD ACADEMY PK-8
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| | |

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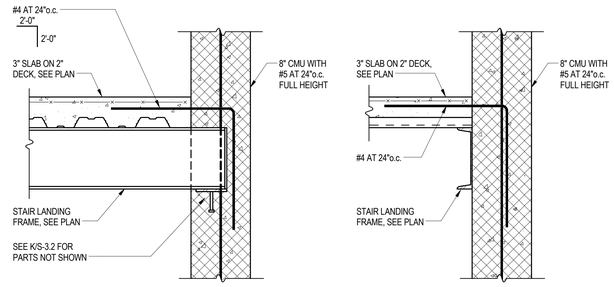

BEAM SPANNING PERPENDICULAR TO WALL

BEAM SPANNING PARALLEL TO WALL (LINTEL BEARING)

**NOTES:**
1.) BEAMS SHALL BEAR FULL LENGTH ON BEARING PLATE.
2.) DETAIL SIMILAR FOR CHANNELS AND TUBE SHAPES.

BEAM BEARING ON MASONRY WALL

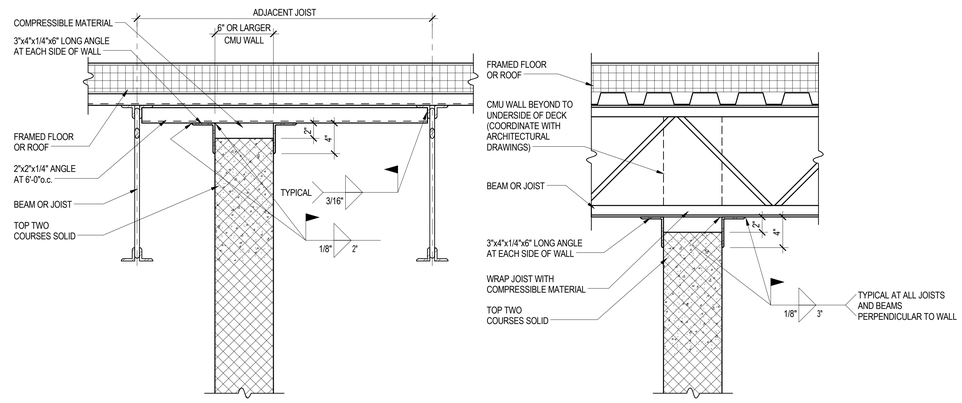
A S-3.3H TYPICAL DETAIL
NOT TO SCALE




NOTE: SECTION APPLIES AT FLOOR AND INTERMEDIATE LANDING.

STAIR LANDING AND WALL

B S-3.3H TYPICAL DETAIL
NOT TO SCALE

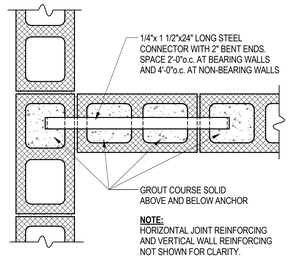



WALL PARALLEL TO JOIST OR BEAM

WALL PERPENDICULAR TO JOIST OR BEAM

MASONRY PARTITION SUPPORT

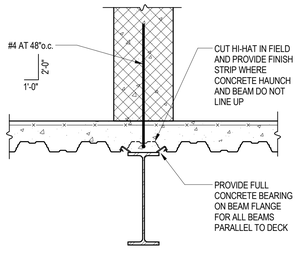
C S-3.3H TYPICAL DETAIL
NOT TO SCALE




**NOTE:**
HORIZONTAL JOINT REINFORCING AND VERTICAL WALL REINFORCING NOT SHOWN FOR CLARITY.

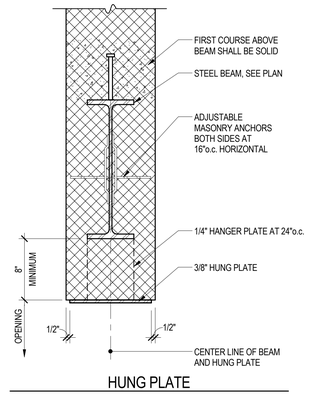
ABUTTING MASONRY WALL
(REQUIRED AT ALL CMU WALLS THAT DO NOT HAVE INTERLOCKING UNITS)

D S-3.3H TYPICAL DETAIL
NOT TO SCALE



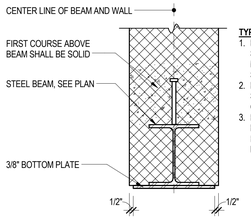

DECK AT BEAM

E S-3.3H TYPICAL DETAIL
NOT TO SCALE



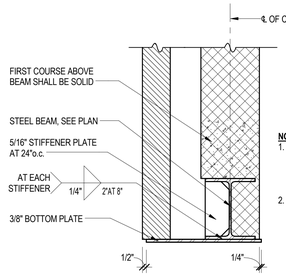

HUNG PLATE

F S-3.3H TYPICAL DETAIL
NOT TO SCALE



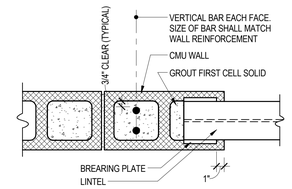

**TYPICAL NOTES:**
1. BEAMS DEEPER THAN 8" SHALL HAVE ADJUSTABLE MASONRY ANCHORS BOTH SIDES AT 16"o.c. HORIZONTAL.
2. HUNG AND BOTTOM PLATES SHALL STOP 1/2" SHORT OF OPENING AT EACH END.
3. PROVIDE 1/2"DIA.x6" LONG HEADED STUDS AT 24"o.c. FOR MASONRY OPENINGS LARGER THAN 10'-0".

BEAM WITH BOTTOM PLATE



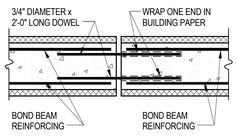

**NOTES:**
1. BEAMS DEEPER THAN 8" SHALL HAVE ADJUSTABLE MASONRY ANCHORS BOTH SIDES AT 16"o.c. HORIZONTAL.
2. HUNG PLATE SHALL STOP 1/2" SHORT OF OPENING AT EACH END.

BEAM WITH BOTTOM PLATE AT EXTERIOR WALL



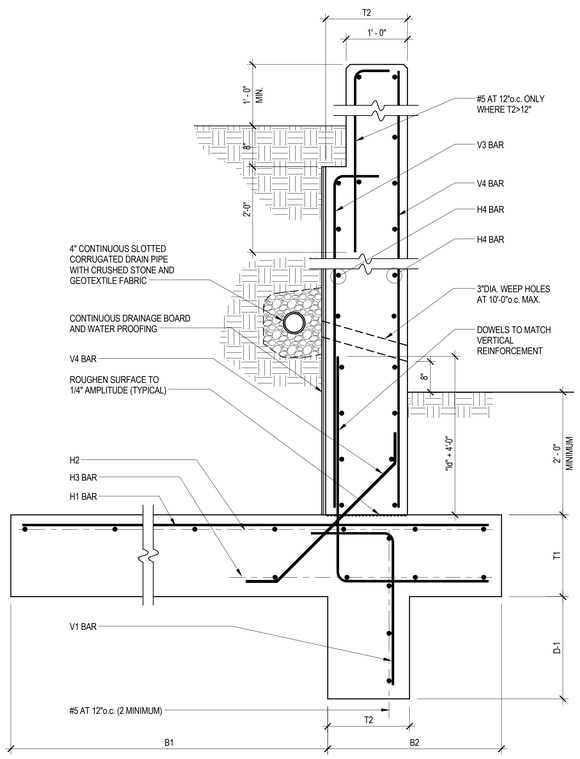

CMU REINFORCEMENT ADJACENT TO WALL OPENING

G S-3.3H TYPICAL DETAIL
NOT TO SCALE




BOND BEAM AT CONTROL JOINT

H S-3.3H TYPICAL DETAIL
NOT TO SCALE




J S-3.3H SECTION
NOT TO SCALE

## SITE RETAINING WALL SCHEDULE

| TYPE | DIMENSIONS | | | | | REINFORCING | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | T1 | T2 | D1 | B1 | B2 | H1 | H2 | H3 | H4 | V1 | V2 | V3 | V4 |
| 1 | 3'-0" | 1'-10" | 3'-2" | 8'-6" | 6'-8" | #8 AT 8"o.c. | 13-#7 | 23-#7 | #5 AT 8"o.c. | #5 AT 10"o.c. | #9 AT 5 1/2"o.c. | #7 AT 6"o.c. | #6 AT 8"o.c. |
| 2 | 2'-2" | 1'-6" | 2'-0" | 8'-6" | 4'-4" | #8 AT 9"o.c. | 20-#6 | 10-#6 | #5 AT 10"o.c. | #5 AT 12"o.c. | #8 AT 6"o.c. | #6 AT 6"o.c. | #6 AT 12"o.c. |
| 3 | 1'-4" | 1'-4" | 2'-0" | 5'-1 | 3'-5" | #8 AT 8"o.c. | 11-#5 | 8-#5 | #5 AT 10"o.c. | #5 AT 12"o.c. | #7 AT 7"o.c. | #6 AT 9"o.c. | #5 AT 10"o.c. |
| 4 | 1'-4" | 1'-0" | 1'-8" | 5'-2" | 2'-10" | #6 AT 10"o.c. | 11-#5 | 6-#5 | #4 AT 10"o.c. | #5 AT 12"o.c. | #7 AT 6"o.c. | #5 AT 6"o.c. | #5 AT 12"o.c. |
| 5 | 1'-4" | 1'-0" | - | 4'-8" | 1'-6" | #6 AT 12"o.c. | 9-#5 | 5-#5 | #4 AT 10"o.c. | - | #6 AT 12"o.c. | #5 AT 12"o.c. | #4 AT 12"o.c. |
| 6 | 1'-0" | 1'-0" | - | 4'-6" | 1'-0" | #5 AT 12"o.c. | 8-#5 | 4-#5 | #4 AT 10"o.c. | - | #5 AT 12"o.c. | #5 AT 12"o.c. | #4 AT 12"o.c. |

NOTES:
1. CONCRETE FOR FOOTING TO BE 4000 PSI.
2. CONCRETE FOR STEM TO BE 5000 PSI AIR ENTRAINED CLASS F2.
3. PROVIDE CONTROL/CONSTRUCTION JOINTS IN STEM AT 25'-0"o.c. MAX.
4. PROVIDE EXPANSION JOINTS IN STEM AT 100'-0" o.c. MAX.
5. SEE L-5.00H FOR TOP OF WALL ELEVATION AND TOP OF FOOTING ELEVATION.
6. STEP FOOTING AS NEEDED WHERE UNDERGROUND PIPE INTERSECTS WALL.
7. COORDINATE WITH L-500H FOR FENCE ABOVE WALL.

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Professional certification: documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14479, Expiration Date: 06-22-2017
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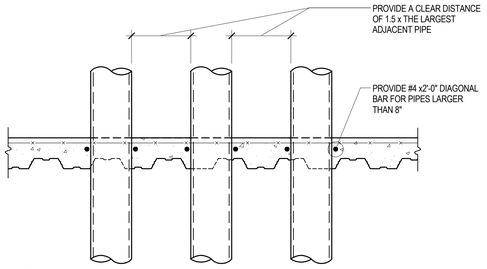
TYPICAL DETAILS
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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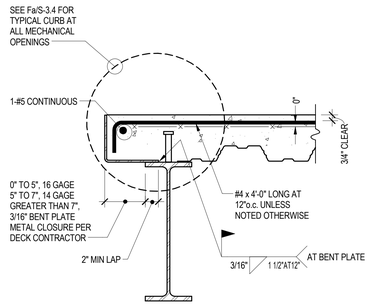
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NOTES:
1. COORDINATE WITH MECHANICAL/ELECTRICAL DRAWINGS FOR PIPE SIZE AND LOCATIONS.
2. AL MULTIPLE PIPE CLUSTERS, IF SPACING BETWEEN ADJACENT PIPES CAN NOT BE MAINTAINED, PROVIDE CHANNEL TO SUPPORT EDGE OF SLAB. SEE F/S-3.4.
3. DETAILS APPLIES TO PIPES 12" IN DIAMETER AND SMALLER. FOR LARGER PIPES, SEE TYPICAL FLOOR OPENING FRAME DETAIL F/S-3.4.
4. SLAB CAN BE CORE DRILLED AFTER THE CONCRETE HAS BEEN PLACED FOR PIPE 8" AND SMALLER.

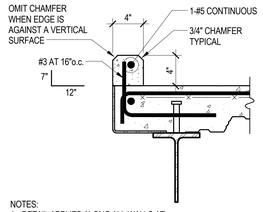
PIPE THRU SLAB

## A TYPICAL DETAIL
S-3.4H
NOT TO SCALE



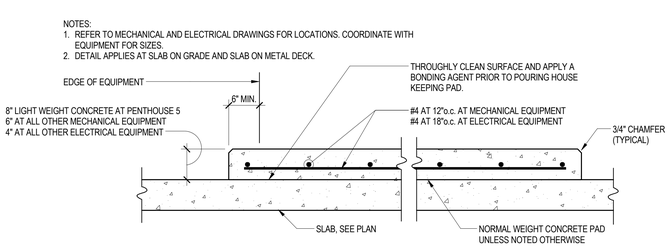

SLAB OPENING AND SLAB PERIMETER

## B TYPICAL DETAIL
S-3.4H
NOT TO SCALE



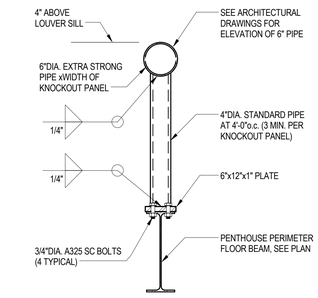

NOTES:
1. DETAIL APPLIES ALONG ALL WALLS AT MECHANICAL ROOMS.
2. DETAIL APPLIES ALONG ALL OPENINGS IN MECHANICAL ROOMS.

## Fa DETAIL
S-3.4H
SCALE: 1 1/2" = 1'-0"



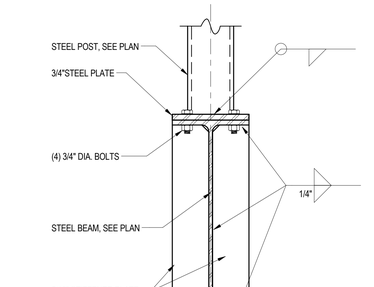

HOUSEKEEPING PAD

## C TYPICAL DETAIL
S-3.4H
NOT TO SCALE




"KNOCK OUT" REINFORCING AT MECHANICAL ROOMS

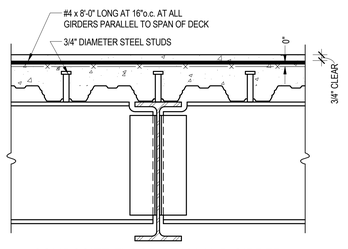
## D TYPICAL DETAIL
S-3.4H
NOT TO SCALE




NOTES:
1. WHEN BEAM IS THE SAME DEPTH AS GIRDER, PROVIDE FULL PENETRATION FIELD WELD ALSO AT BOTTOM FLANGE.
2. DETAIL APPLIES ALSO AT CHANNELS.

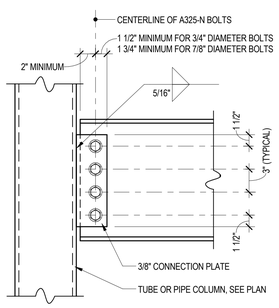
BEAM TO GIRDER MOMENT CONNECTION

## E TYPICAL DETAIL
S-3.4H
NOT TO SCALE




COMPOSITE FLOOR BEAM AND GIRDER

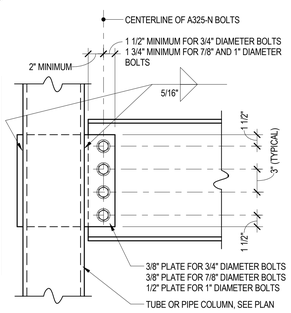
## F TYPICAL DETAIL
S-3.4H
NOT TO SCALE




| ALLOWABLE CONNECTION CAPACITY | | |
|---|---|---|
| NUMBER OF BOLTS | 3/4" DIAMETER A325-N | 7/8" DIAMETER A325-N |
| 2 | 9.3 | 11.8 |
| 3 | 18.6 | 23.5 |
| 4 | 29.8 | 37.7 |
| 5 | 41.3 | 52.3 |
| 6 | 52.8 | 66.7 |
| 7 | 64.2 | 81.2 |
| 8 | 75.5 | 95.4 |
| 9 | 86.6 | 109 |

**NOTES:**
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.25", REDUCE ABOVE CAPACITY BY Tweb/0.25.
2. FOR 7/8" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.33", REDUCE ABOVE CAPACITY BY Tweb/0.33.
3. IF BEAM REACTION IS GREATER THAN ABOVE CAPACITY, THROUGH PLATE CONNECTION SHALL BE USED.
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.
5. SINGLE PLATE SHEAR CONNECTION CAN ALSO BE USED TO FRAME BEAMS TO WIDE FLANGE COLUMNS AND BEAM TO GIRDER CONNECTIONS. VERTICAL EDGE DISTANCE, Lev, OF BEAM WEB SHALL BE 1 1/2" MINIMUM.

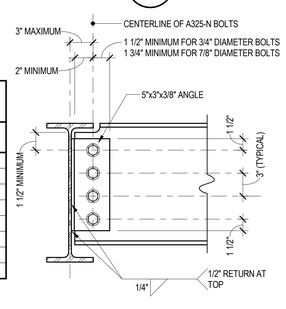
**SINGLE PLATE CONNECTION TO TUBE OR PIPE COLUMN**




| ALLOWABLE CONNECTION CAPACITY | | | |
|---|---|---|---|
| NUMBER OF BOLTS | 3/4" DIAMETER A325-N | 7/8" DIAMETER A325-N | 1" DIAMETER A325-N |
| 2 | 21.2 | 24.3 | 32.2 |
| 3 | 31.8 | 39.2 | 48.9 |
| 4 | 42.4 | 52.2 | 65.3 |
| 5 | 53.0 | 65.3 | 81.6 |
| 6 | 63.6 | 78.3 | 97.9 |
| 7 | 74.2 | 91.4 | 114 |
| 8 | 84.8 | 104 | 131 |
| 9 | 95.4 | 116 | 147 |

**NOTES:**
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.25", REDUCE ABOVE CAPACITY BY Tweb/0.25.
2. FOR 7/8" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.33", REDUCE ABOVE CAPACITY BY Tweb/0.33.
3. FOR 1" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.44", REDUCE ABOVE CAPACITY BY Tweb/0.44.
4. USE THIS CONNECTION WHEN BEAM REACTION IS GREATER THAN SINGLE PLATE CONNECTION CAPACITY.
5. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.

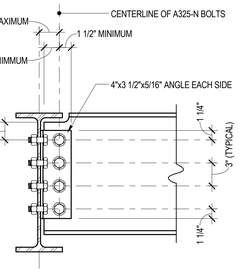
**THROUGH PLATE CONNECTION TO TUBE OR PIPE COLUMN**




| ALLOWABLE CONNECTION CAPACITY | | | |
|---|---|---|---|
| NUMBER OF BOLTS | 3/4" DIAMETER A325-N | 7/8" DIAMETER A325-N | WELD |
| 2 | 9.3 | 11.8 | 24.8 |
| 3 | 18.6 | 23.5 | 38.9 |
| 4 | 29.8 | 37.7 | 52.3 |
| 5 | 41.3 | 52.3 | 65.4 |
| 6 | 52.8 | 66.7 | 77.8 |
| 7 | 64.2 | 81.2 | 89.5 |
| 8 | 75.5 | 95.4 | 101 |
| 9 | 86.6 | 109 | 112 |

**NOTES:**
1. FOR 3/4" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.25", REDUCE ABOVE CAPACITY BY Tweb/0.25.
2. FOR 7/8" DIAMETER A325-N BOLTS AND BEAM WEB LESS THAN 0.33", REDUCE ABOVE CAPACITY BY Tweb/0.33.
3. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES AND THE CONNECTION ANGLES ARE LOCATED BACK TO BACK, REDUCE THE WELD CAPACITY BY Tweb/0.38 FOR SUPPORTING MEMBER WEBS LESS THAN 0.38".
4. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED.
5. 4"x3"x3/8" ANGLE CAN BE USED FOR 3/4" DIAMETER BOLTS PROVIDED MINIMUM REQUIRED DIMENSIONS ARE MAINTAINED.

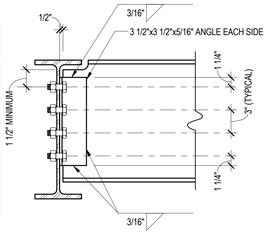
**SINGLE ANGLE CONNECTION**




| ALLOWABLE CONNECTION CAPACITY | | |
|---|---|---|
| NUMBER OF BOLTS | 3/4" DIAMETER A325-N AT SUPPORTING MEMBER | 3/4" DIAMETER A325-N AT SUPPORTED MEMBER |
| 2 | 39.6 | 16.2 |
| 3 | 60.8 | 32.2 |
| 4 | 82.0 | 51.7 |
| 5 | 103 | 71.8 |
| 6 | 124 | 91.6 |
| 7 | 145 | 111 |
| 8 | 165 | 131 |
| 9 | 185 | 150 |

**NOTES:**
1. FOR SUPPORTED MEMBER WITH WEB LESS THAN 0.43", REDUCE ABOVE CAPACITY BY Tweb/0.43".
2. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE SUPPORTING MEMBER BOLT CAPACITY BY Tweb/0.36 FOR SUPPORTING MEMBER WEBS LESS THAN 0.36".
3. STANDARD OR SHORT SLOTTED HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTED MEMBER.
4. STANDARD HOLES SHALL BE USED AT ANGLE LEG CONNECTED TO SUPPORTING MEMBER.

**BOLTED / BOLTED DOUBLE ANGLE CONNECTION**




| ALLOWABLE CONNECTION CAPACITY | | |
|---|---|---|
| NUMBER OF BOLTS | 3/4" DIAMETER A325-N | WELD |
| 2 | 39.6 | 50.2 |
| 3 | 60.8 | 73.4 |
| 4 | 82.0 | 94.9 |
| 5 | 103 | 115 |
| 6 | 124 | 134 |
| 7 | 145 | 152 |
| 8 | 165 | 169 |
| 9 | 185 | 186 |

**NOTES:**
1. REDUCE 3/16" WELD CAPACITY BY Tweb/0.29 FOR BEAM WEB LESS THAN 0.29".
2. IF BEAMS FRAME TO SUPPORTING MEMBER FROM BOTH SIDES, REDUCE THE BOLT CAPACITY BY Tweb/0.36 FOR SUPPORTING MEMBER WEB LESS THAN 0.36".
3. STANDARD HOLES SHALL BE USED.

**BOLTED / WELDED DOUBLE ANGLE CONNECTION**

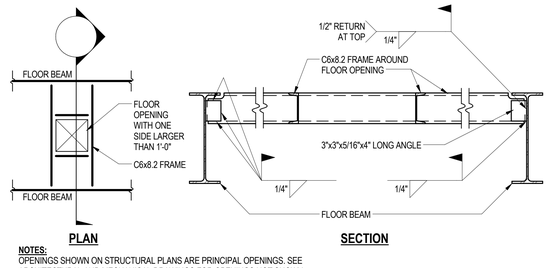
CONNECTION DETAILS

TYPICAL CONNECTION NOTES:
1. THE DEPTH OF CONNECTION ANGLE OR PLATE SHALL BE HALF OF THE T-DIMENSION OF THE SUPPORTED BEAM AND THE CONNECTION SHALL HAVE BOLTS FOR THE FULL HEIGHT.
2. ALTERNATE CONNECTION MAT BE CONSIDERED AS LONG AS CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEERED REGISTERED IN MARYLAND. ARE SUBMITTED FOR REVIEW PRIOR TO THE SUBMITTAL OF THE SHOP DRAWINGS. FOR ALL ALTERNATE CONNECTION DESIGNS, FULL ECCENTRICITY MUST BE ACCOUNTED FOR BETWEEN THE SUPPORTING LOCATION AND THE CENTROID OF THE SUPPORTED WELD OR BOLT GROUP WITH ZERO MOMENT OR TORSION INTRODUCED INTO THE SUPPORTING MEMBER.




POST ON STEEL BEAM

## G TYPICAL DETAIL
S-3.4H
NOT TO SCALE

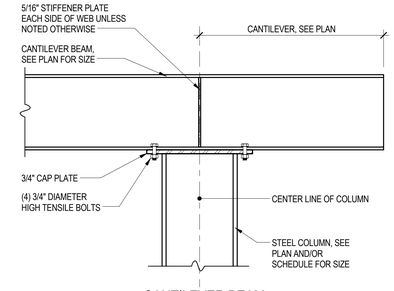



**NOTES:**
OPENINGS SHOWN ON STRUCTURAL PLANS ARE PRINCIPAL OPENINGS. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR OPENINGS NOT SHOWN.

FLOOR OPENING FRAME DETAIL

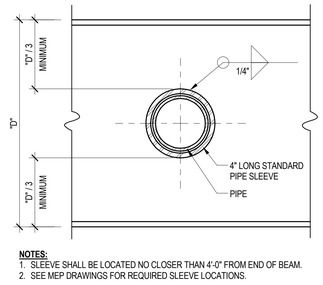
## H TYPICAL DETAIL
S-3.4H
NOT TO SCALE

## J TYPICAL DETAIL
S-3.4H
NOT TO SCALE




CANTILEVER BEAM

## K TYPICAL DETAIL
S-3.4H
NOT TO SCALE




**NOTES:**
1. SLEEVE SHALL BE LOCATED NO CLOSER THAN 4'-0" FROM END OF BEAM.
2. SEE MEP DRAWINGS FOR REQUIRED SLEEVE LOCATIONS.

PIPE THROUGH BEAM

## L TYPICAL DETAIL
S-3.4H
NOT TO SCALE

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TYPICAL DETAILS

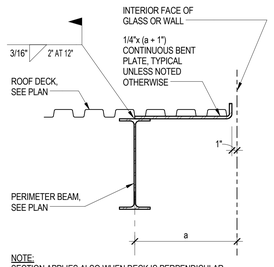
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|---|---|

**S-3.4H**
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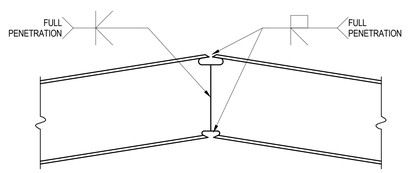
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NOTE:
SECTION APPLIES ALSO WHEN DECK IS PERPENDICULAR AND "a" EXCEED 8".

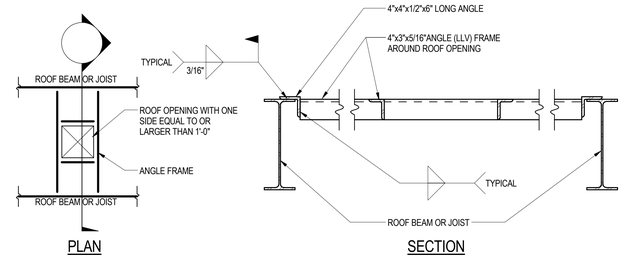
ROOF PERIMETER

A S-3.5H TYPICAL DETAIL
NOT TO SCALE




BENT BEAM

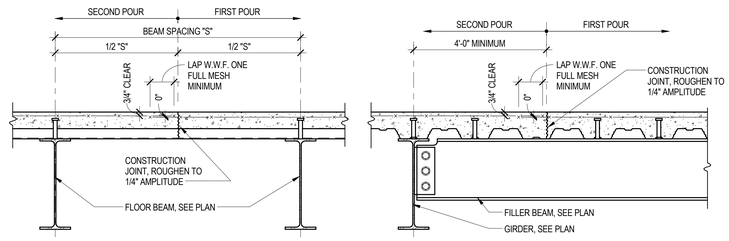
B S-3.5H TYPICAL DETAIL
NOT TO SCALE




NOTES:
1. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATION OF OPENINGS.
2. PROVIDE ANGLE FRAME AT ALL ROOF DRAINS.

ROOF OPENING FRAME DETAIL

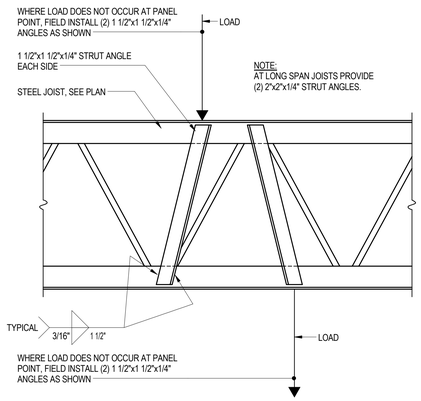
C S-3.5H TYPICAL DETAIL
NOT TO SCALE




NOTE:
THE CONTRACTOR SHALL SUBMIT THE LAYOUT OF ALL CONSTRUCTION JOINTS REQUIRED IN SLABS ON METAL DECK FOR REVIEW PRIOR TO CONSTRUCTION.

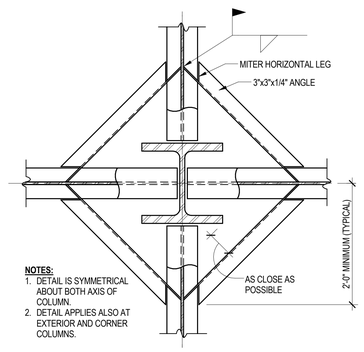
CONSTRUCTION JOINT FOR SLAB ON METAL DECK

D S-3.5H TYPICAL DETAIL
NOT TO SCALE



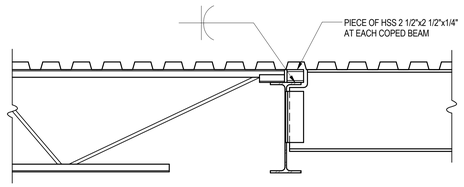

JOIST LOAD STRUT DETAIL

E S-3.5H TYPICAL DETAIL
NOT TO SCALE




DECK SUPPORT AT COLUMN

F S-3.5H TYPICAL DETAIL
NOT TO SCALE




NOTE:
DETAIL ALSO APPLIES AT LOCATIONS WHERE THERE ARE COPED BEAMS ON BOTH SIDES OF GIRDER.

DECK SUPPORT AT COPED BEAM

G S-3.5H TYPICAL DETAIL
NOT TO SCALE

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TYPICAL DETAILS

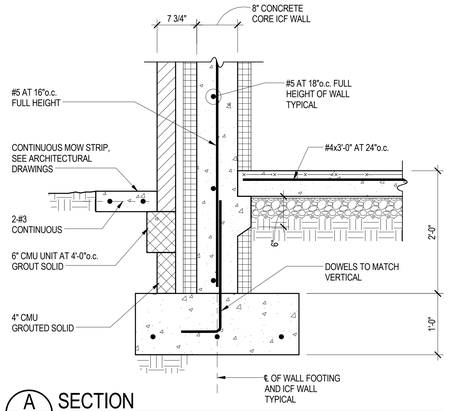
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**S-3.5H**

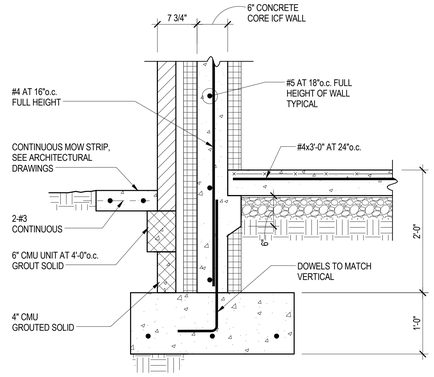
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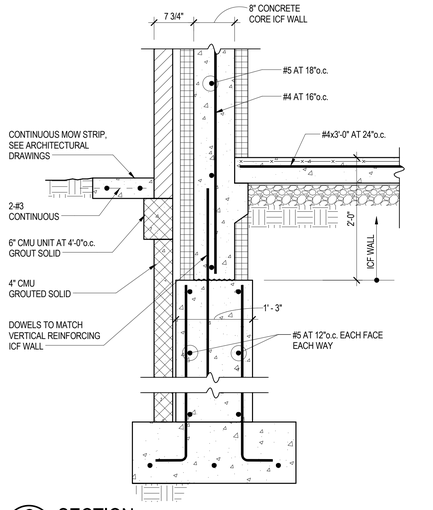
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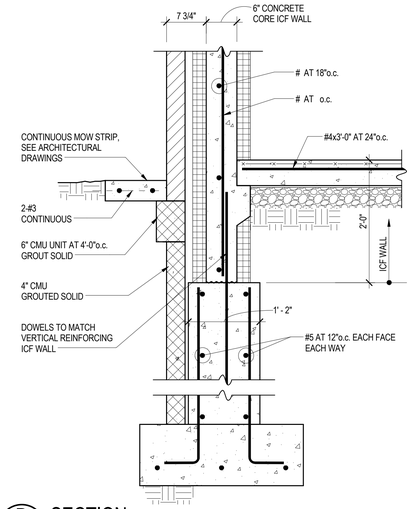

A S-4.1H SECTION
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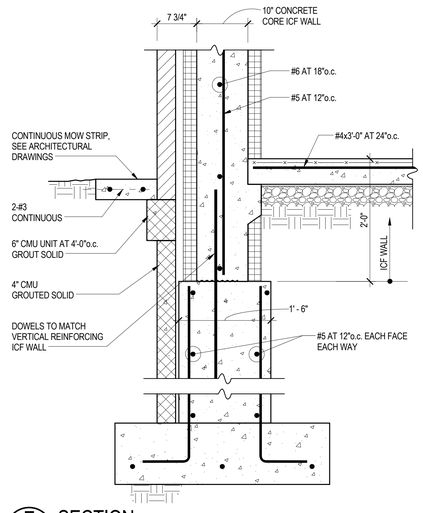

B S-4.1H SECTION
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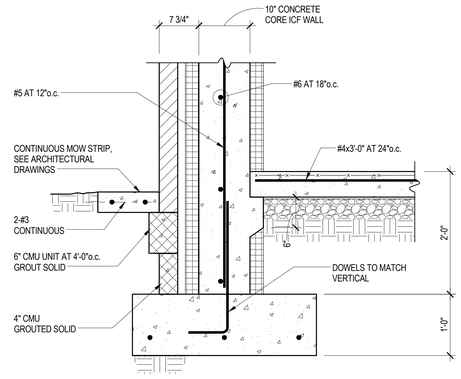

C S-4.1H SECTION
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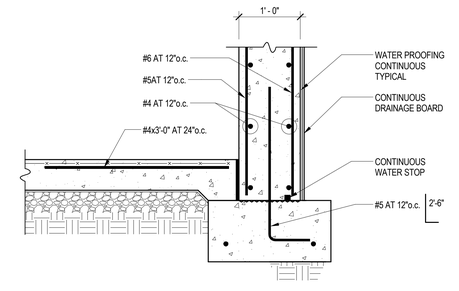

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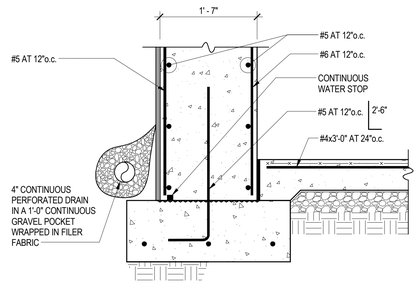

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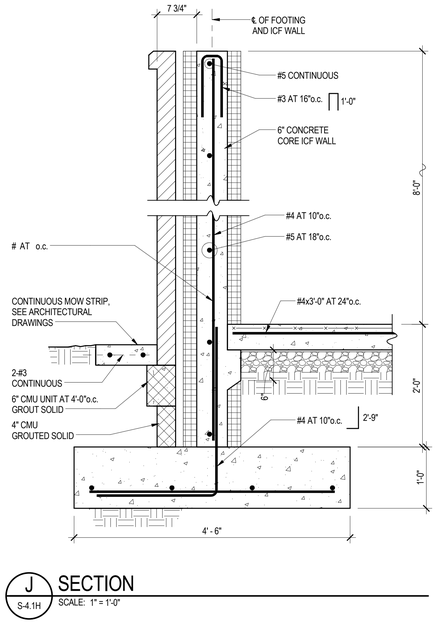

F S-4.1H SECTION
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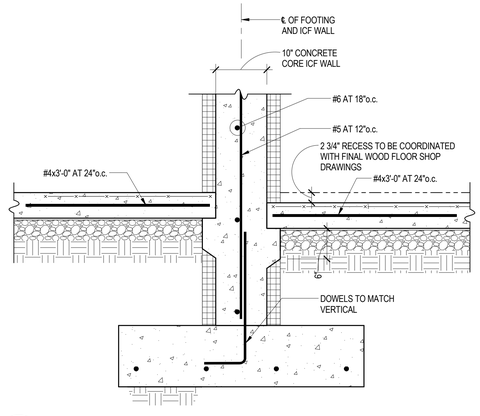

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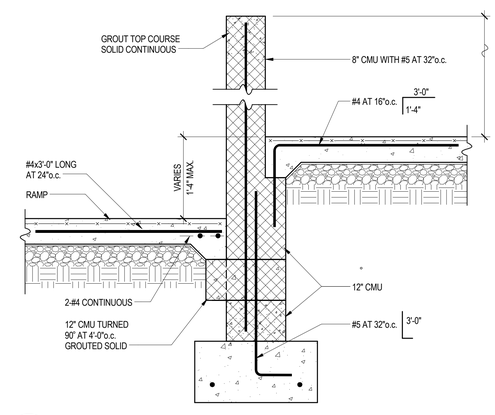

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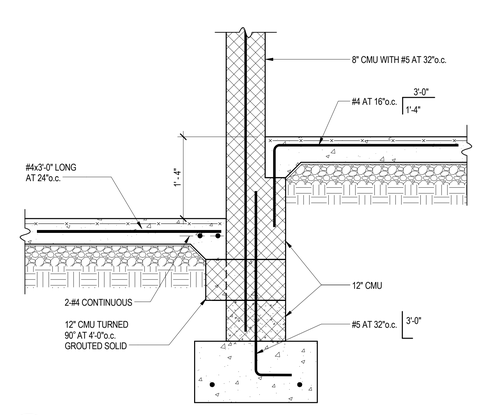

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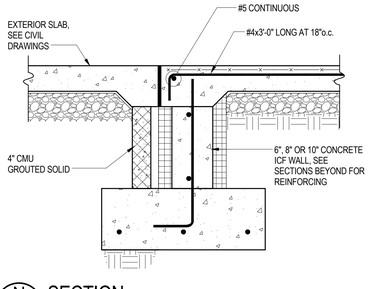

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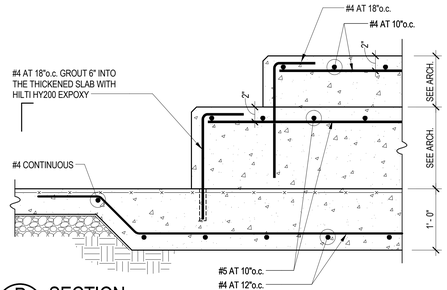

L S-4.1H SECTION
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M S-4.1H SECTION
SCALE: 1" = 1'-0"




N S-4.1H SECTION
SCALE: 1" = 1'-0"




P S-4.1H SECTION
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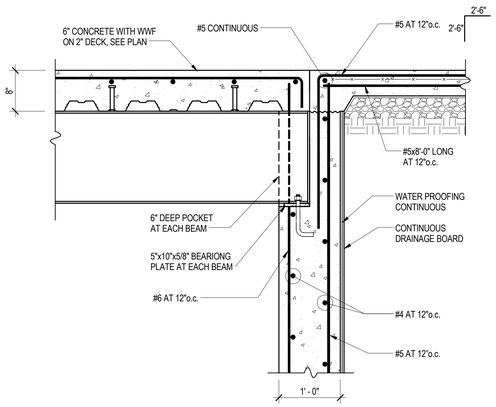
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**S-4.1H**

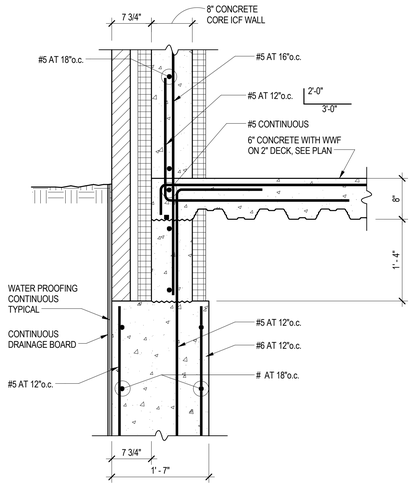
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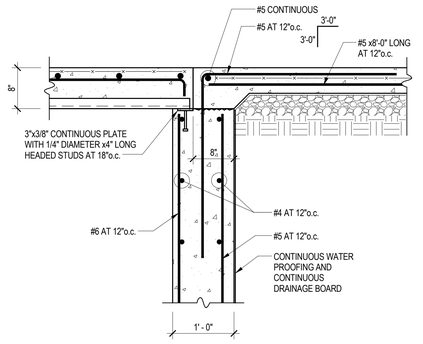
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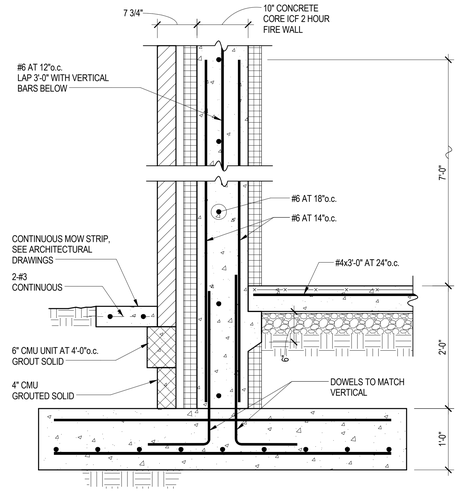

A SECTION
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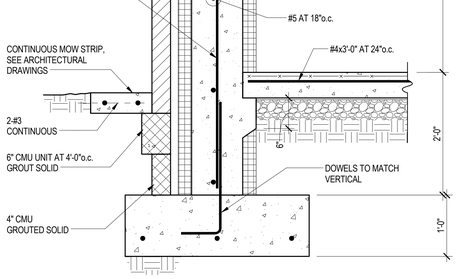

B SECTION
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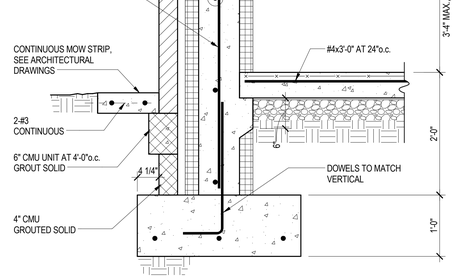

C SECTION
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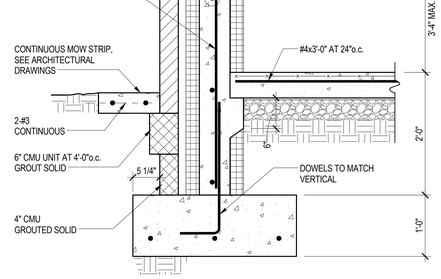

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S-4.2H SCALE: 1" = 1'-0"



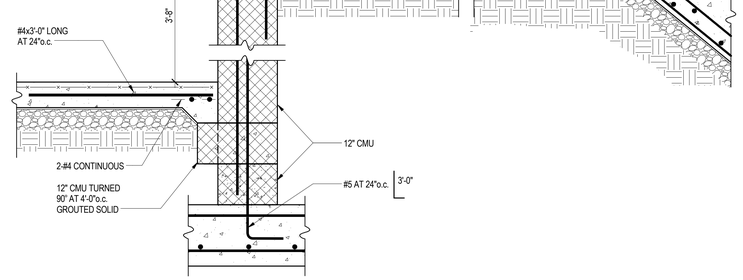

E SECTION
S-4.2H SCALE: 1" = 1'-0"



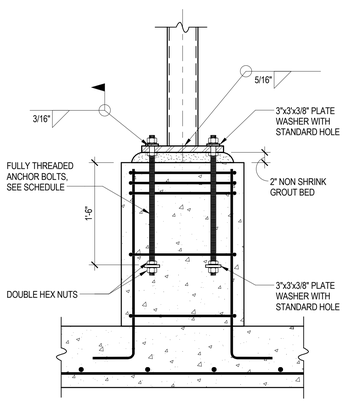

F SECTION
S-4.2H SCALE: 1" = 1'-0"




G SECTION
S-4.2H SCALE: 1" = 1'-0"




H SECTION
S-4.2H SCALE: 1" = 1'-0"




J SECTION
S-4.2H SCALE: 1" = 1'-0"

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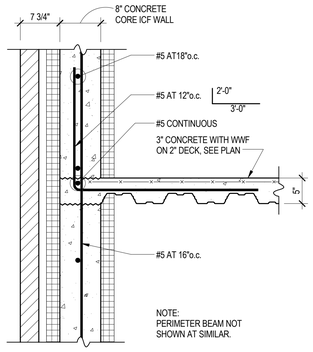
SECTIONS
HOLABIRD ACADEMY PK-8
CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
|---|---|

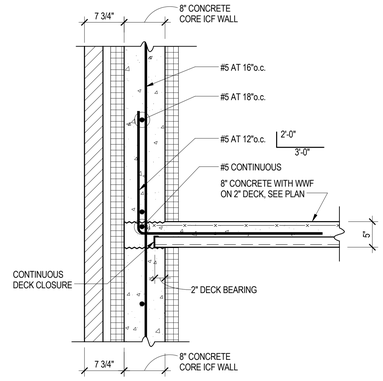
**S-4.2H**
03/13/2017
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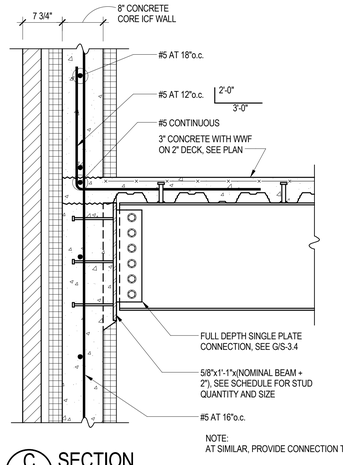
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A S-5.1H **SECTION**
SCALE: 1" = 1'-0"



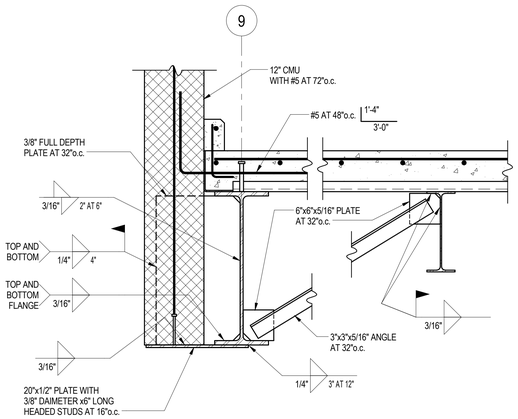

B S-5.1H **SECTION**
SCALE: 1" = 1'-0"



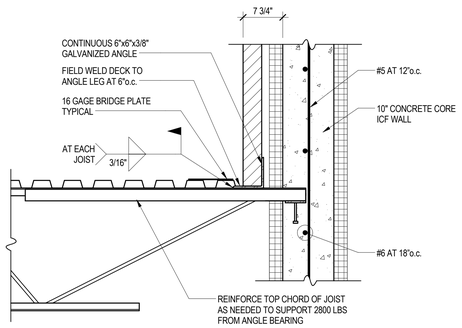

C S-5.1H **SECTION**
SCALE: 1" = 1'-0"

**STUD SCHEDULE**

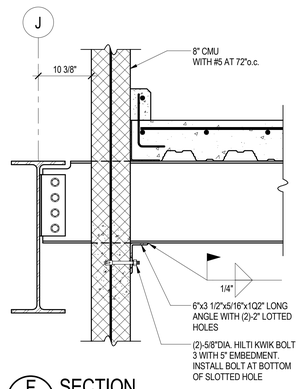
| BEAM SIZE | STUD LAYOUT |
|---|---|
| CHANNEL, W14 AND SMALLER | 4-1/2" DIA.x8" LONG HEADED STUDS |
| W16 | 6-1/2" DIA.x8" LONG HEADED STUDS |
| W18 AND LARGER | 6-5/8" DIA.x8" LONG HEADED STUDS |



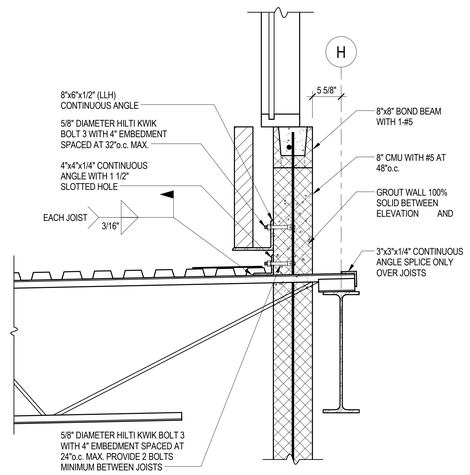

D S-5.1H **SECTION**
SCALE: 1" = 1'-0"



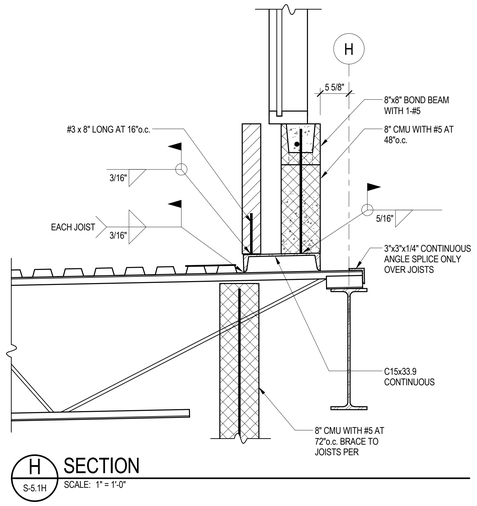

E S-5.1H **SECTION**
SCALE: 1" = 1'-0"



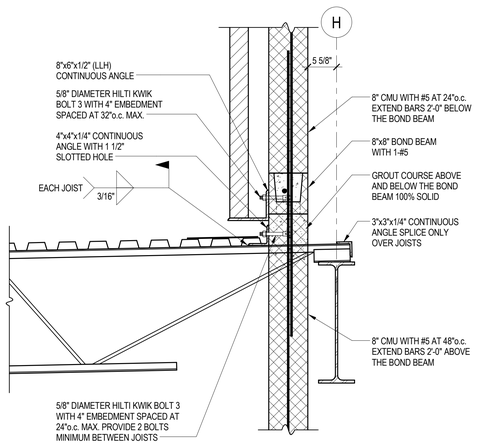

F S-5.1H **SECTION**
SCALE: 1" = 1'-0"



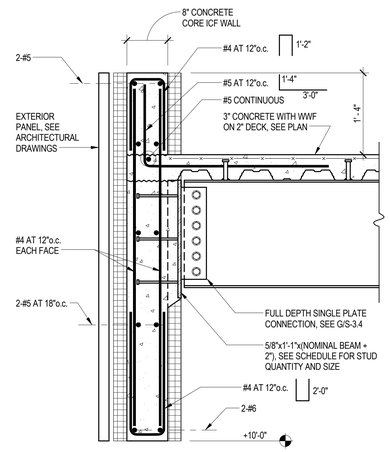

G S-5.1H **SECTION**
SCALE: 1" = 1'-0"



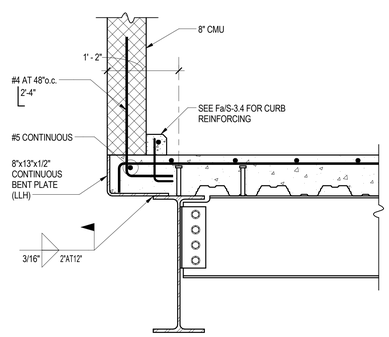

H S-5.1H **SECTION**
SCALE: 1" = 1'-0"



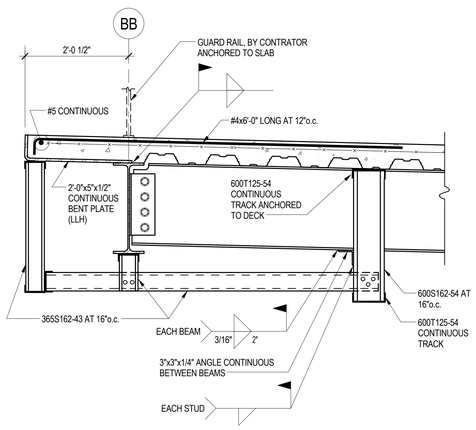

J S-5.1H **SECTION**
SCALE: 1" = 1'-0"



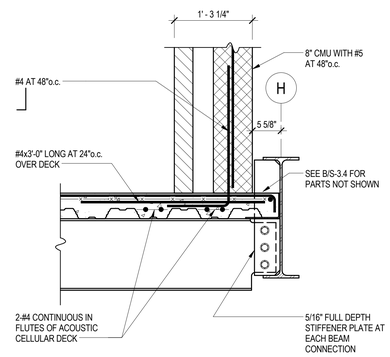

K S-5.1H **SECTION**
SCALE: 1" = 1'-0"




L S-5.1H **SECTION**
SCALE: 1" = 1'-0"




M S-5.1H **SECTION**
SCALE: 1" = 1'-0"




N S-5.1H **SECTION**
SCALE: 1" = 1'-0"

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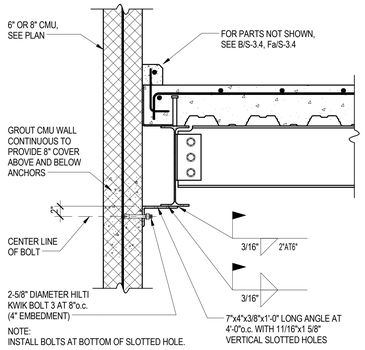
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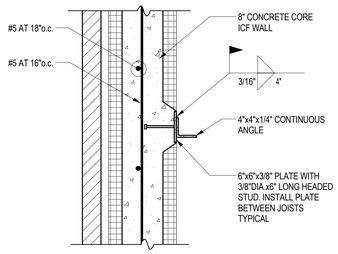
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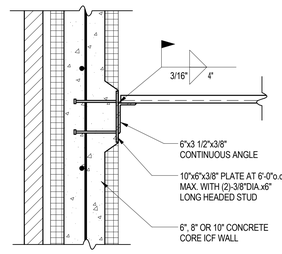
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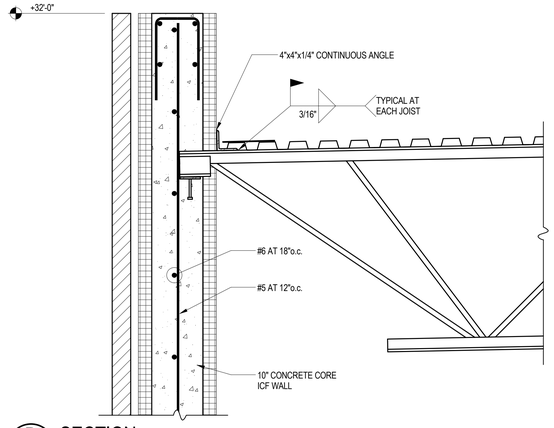

A S-5.2H SECTION
SCALE: 1" = 1'-0"



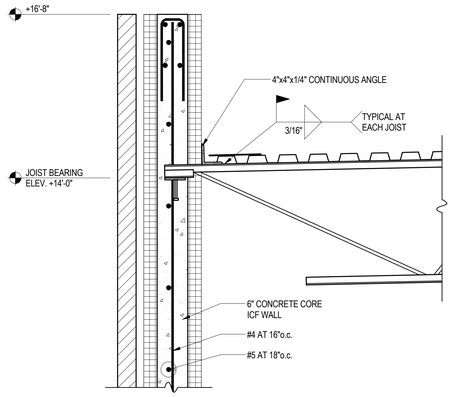

B S-5.2H SECTION
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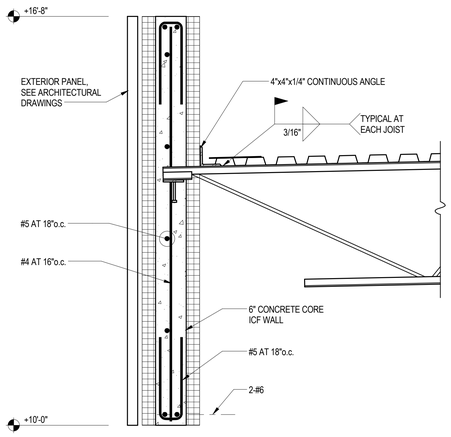

C S-5.2H SECTION
SCALE: 1" = 1'-0"



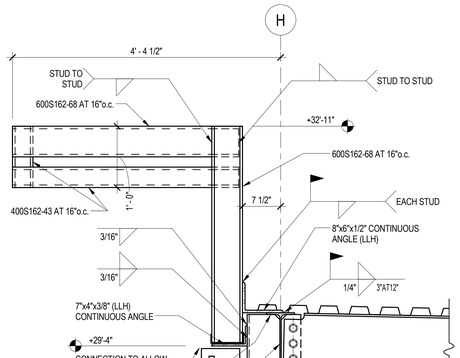

D S-5.2H SECTION
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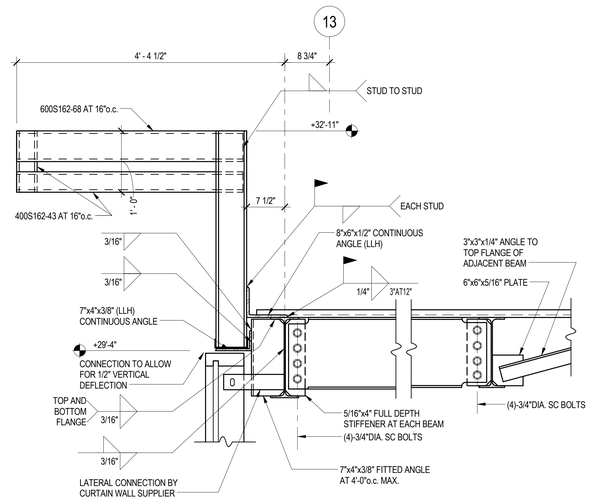

E S-5.2H SECTION
SCALE: 1" = 1'-0"



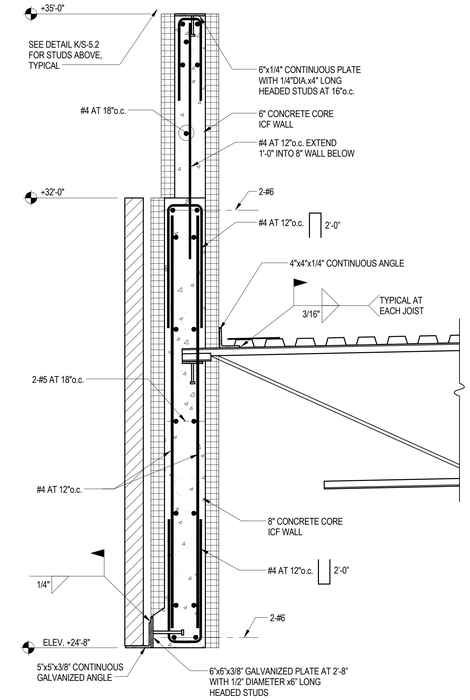

F S-5.2H SECTION
SCALE: 1" = 1'-0"



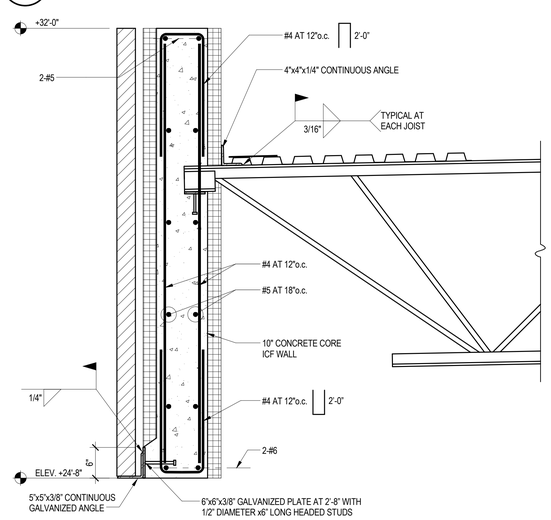

G S-5.2H SECTION
SCALE: 1" = 1'-0"



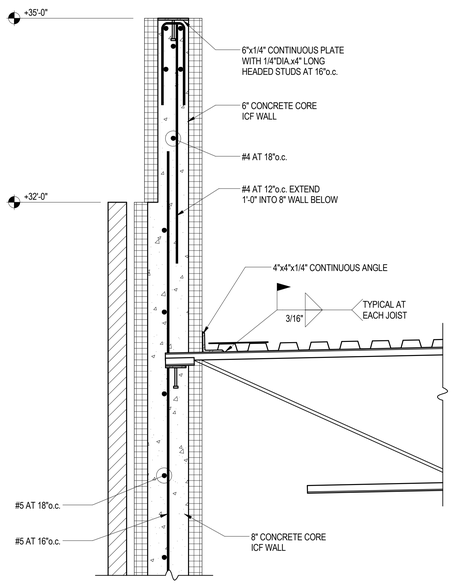

H S-5.2H SECTION
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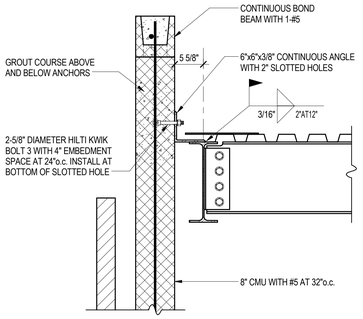

J S-5.2H SECTION
SCALE: 1" = 1'-0"



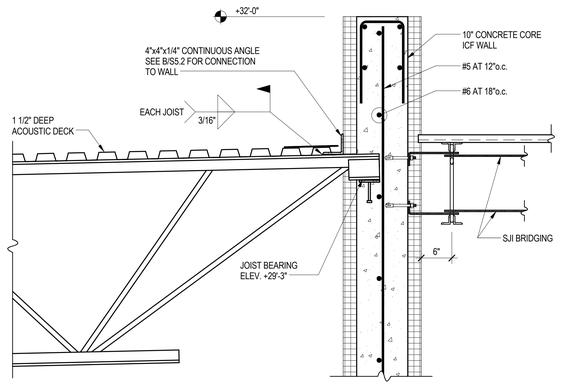

K S-5.2H SECTION
SCALE: 1" = 1'-0"




L S-5.2H SECTION
SCALE: 1" = 1'-0"




M S-5.2H SECTION
SCALE: 1" = 1'-0"




N S-5.2H SECTION
SCALE: 1" = 1'-0"

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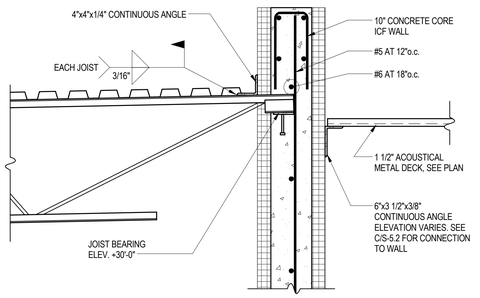
| DATE | DESCRIPTION |
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S-5.2H

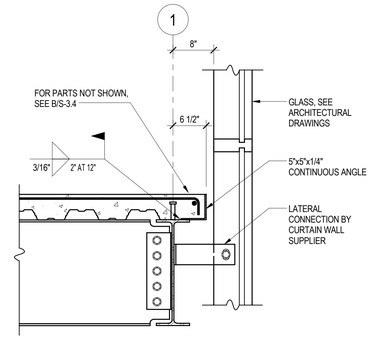
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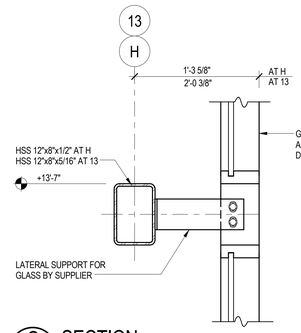
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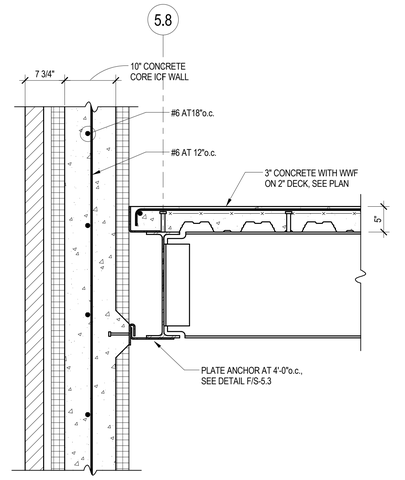

A S-5.3H **SECTION**
SCALE: 1" = 1'-0"



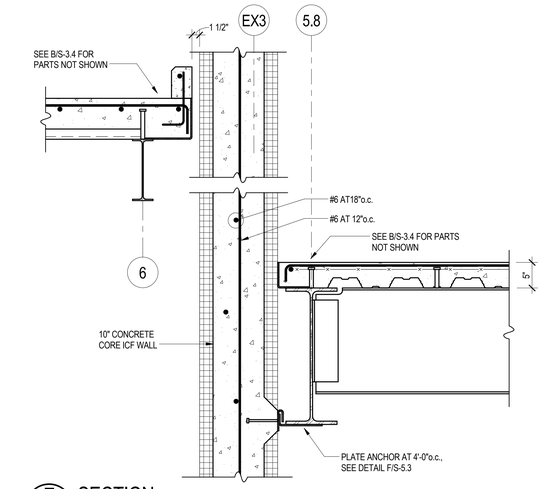

B S-5.3H **SECTION**
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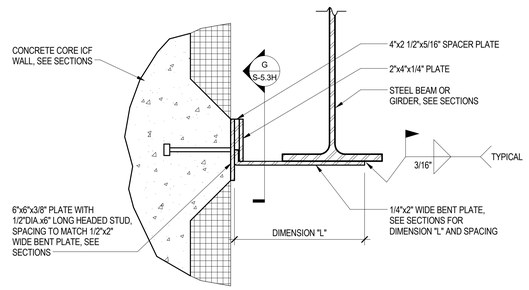

C S-5.3H **SECTION**
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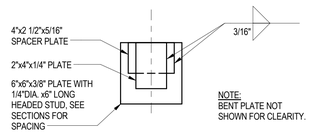

D S-5.3H **SECTION**
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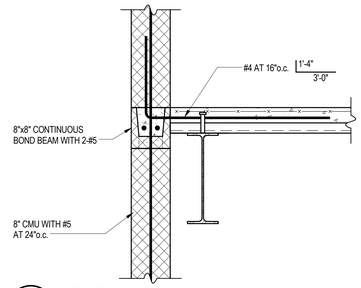

E S-5.3H **SECTION**
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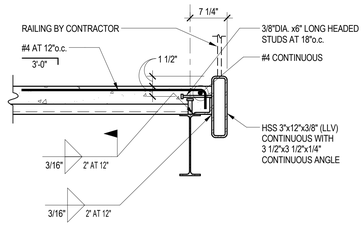

F S-5.3H **DETAIL**
SCALE: 3" = 1'-0"



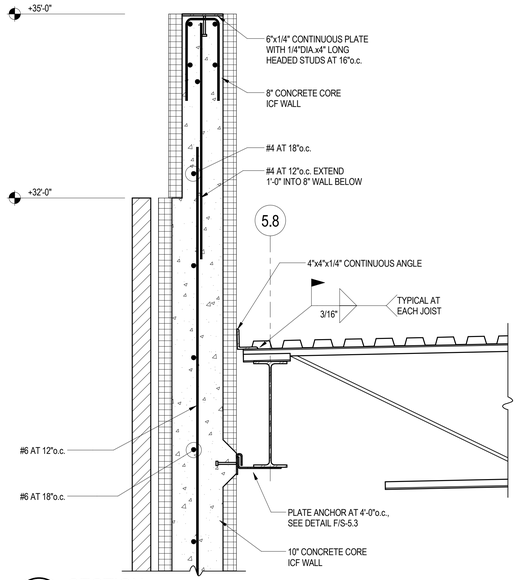

G S-5.3H **SECTION**
SCALE: 3" = 1'-0"



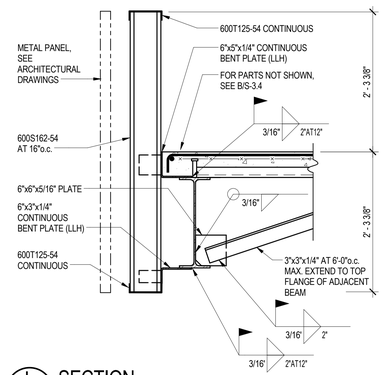

H S-5.3H **SECTION**
SCALE: 1" = 1'-0"



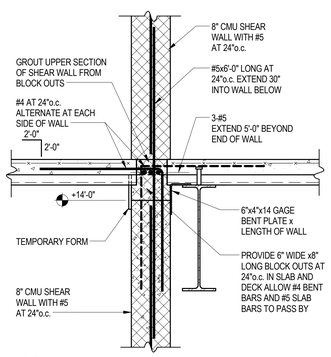

J S-5.3H **SECTION**
SCALE: 1" = 1'-0"



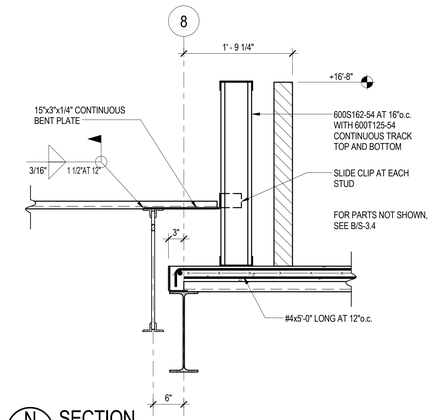

K S-5.3H **SECTION**
SCALE: 1" = 1'-0"



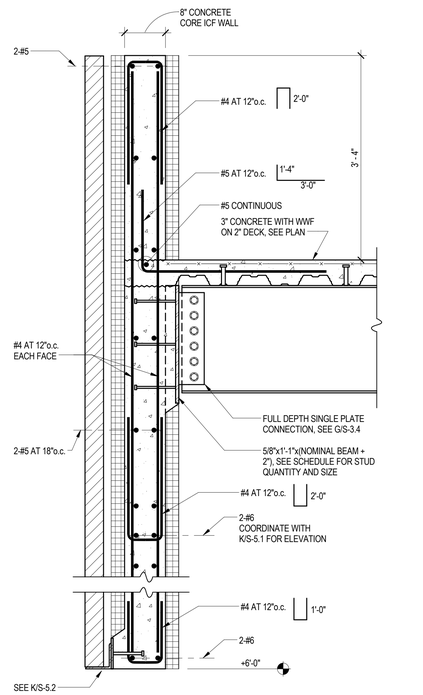

L S-5.3H **SECTION**
SCALE: 1" = 1'-0"



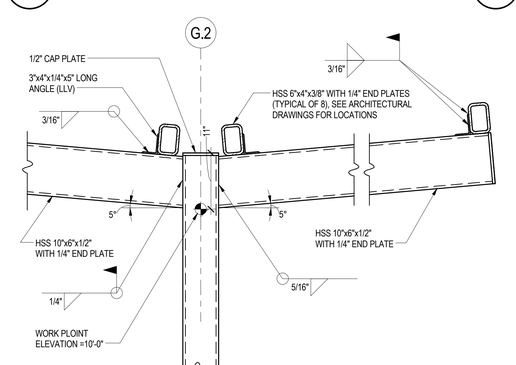

M S-5.3H **SECTION**
SCALE: 1" = 1'-0"




N S-5.3H **SECTION**
SCALE: 1" = 1'-0"




P S-5.3H **SECTION**
SCALE: 1" = 1'-0"




Q S-5.3H **SECTION**
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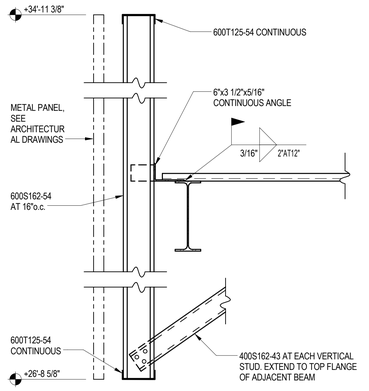
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| | |

**S-5.3H**

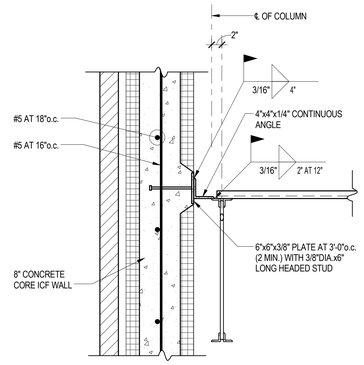
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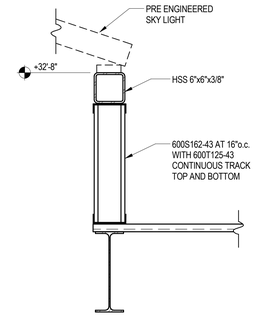
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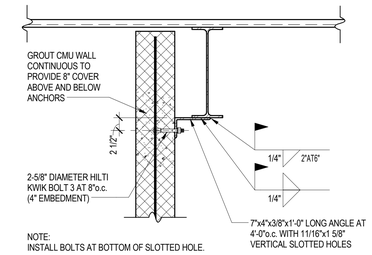

A S-5.4H SECTION
SCALE: 1" = 1'-0"



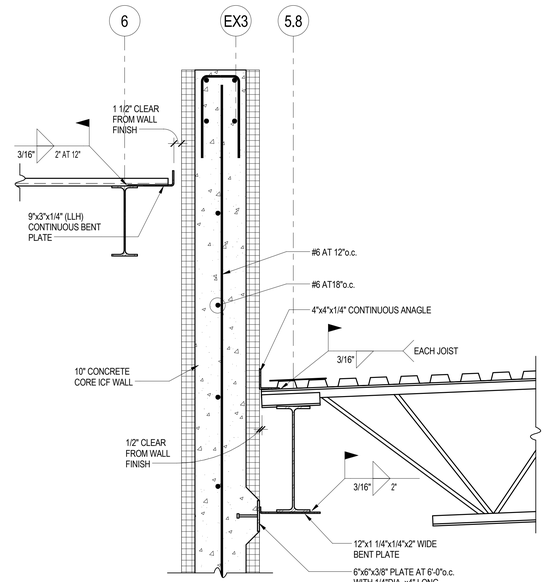

B S-5.4H SECTION
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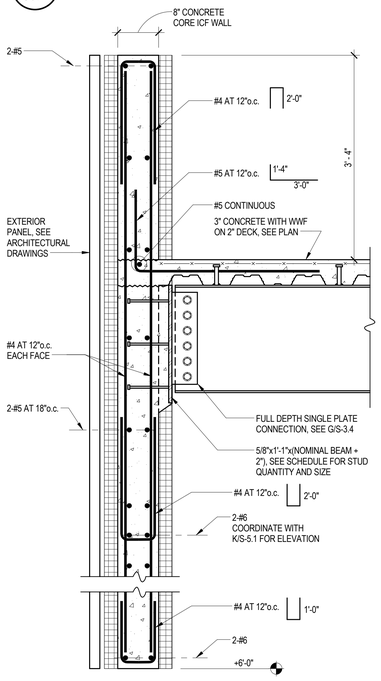

C S-5.4H SECTION
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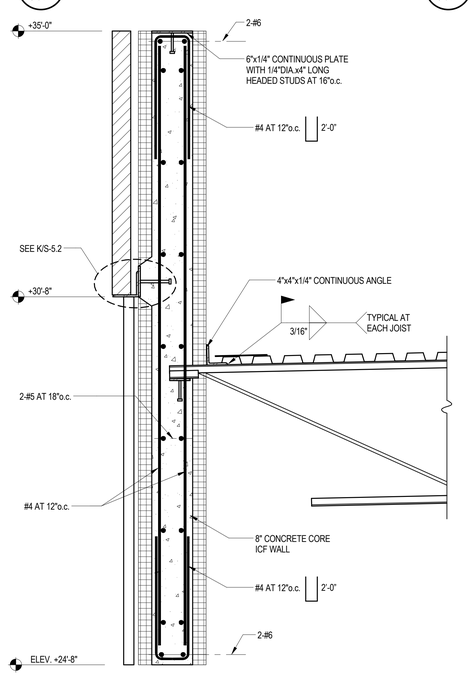

D S-5.4H SECTION
SCALE: 1" = 1'-0"



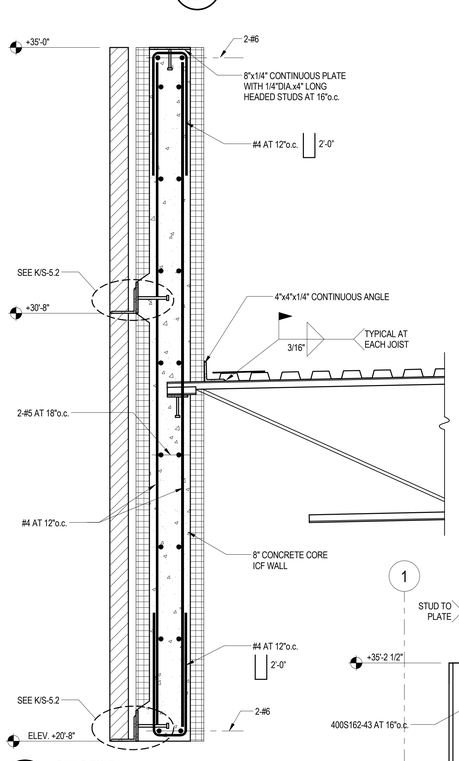

E S-5.4H SECTION
SCALE: 1" = 1'-0"



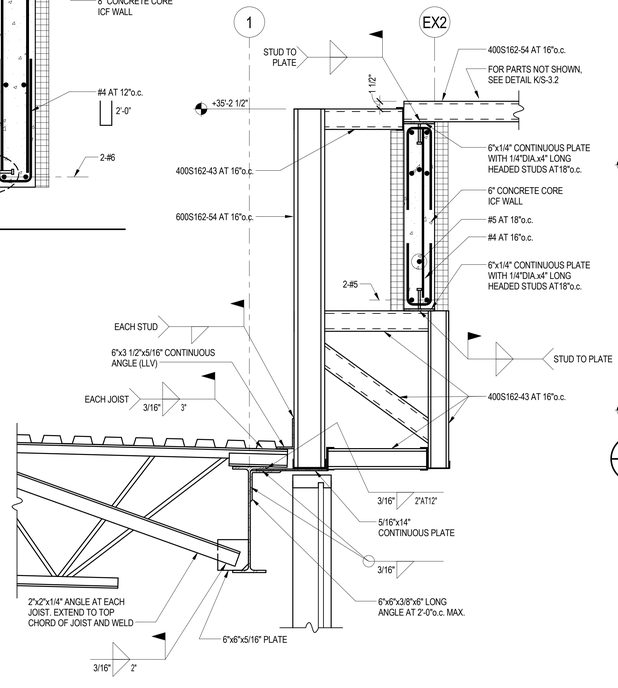

F S-5.4H SECTION
SCALE: 1" = 1'-0"




G S-5.4H SECTION
SCALE: 1" = 1'-0"



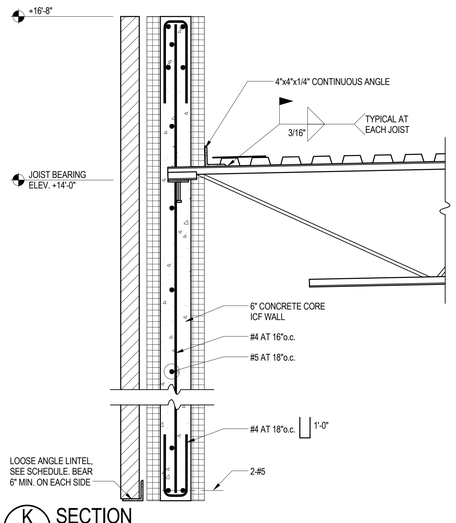

H S-5.4H SECTION
SCALE: 1" = 1'-0"



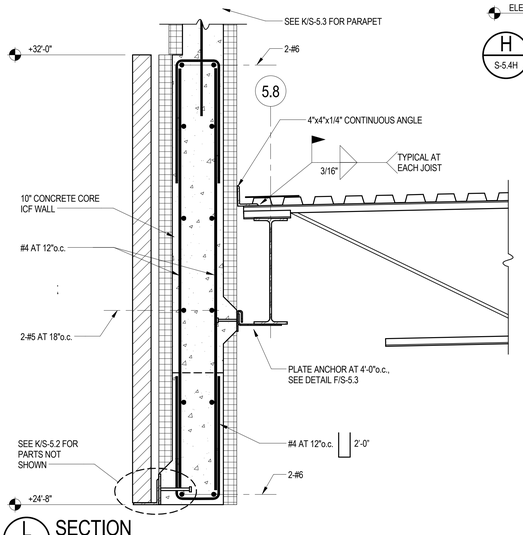

M S-5.4H SECTION
SCALE: 1" = 1'-0"




J S-5.4H SECTION
SCALE: 1" = 1'-0"




K S-5.4H SECTION
SCALE: 1" = 1'-0"




L S-5.4H SECTION
SCALE: 1" = 1'-0"

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Professional certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 14479, Expiration Date: 06-22-2017
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SECTIONS

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CITY OF BALTIMORE, MARYLAND

| DATE | DESCRIPTION |
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S-5.4H
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