



KRAIG A. BEILHARZ, LICENSE #9482
EXPIRATION DATE: 12/31/2017



PLOT SCALE
1"=50'-0"
0 25 50 75
FOR SHEET SIZE 24"x36"

ISSUE DATE
1 11-14-17 PERMITS AND BIDS

| | |
|---|---------------------------|
| 1 | 11-14-17 PERMITS AND BIDS |
|---|---------------------------|

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ADMIN. OFFICE RENOVATIONS
BRYAN CITY SCHOOL DISTRICT
1350 FOUNTAIN GROVE DRIVE
BRYAN, OHIO 43506

SITE PLAN
DRAWING INDEX

PROJECT: B7-4565

DRAWN BY: KEP

CHECKED BY: KAB

SHEET

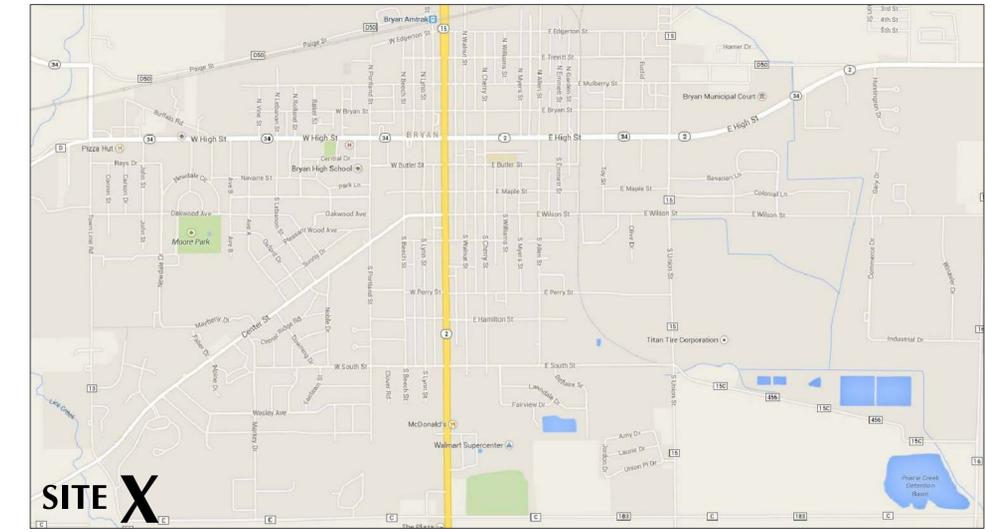
C-1

INDEX OF DRAWINGS

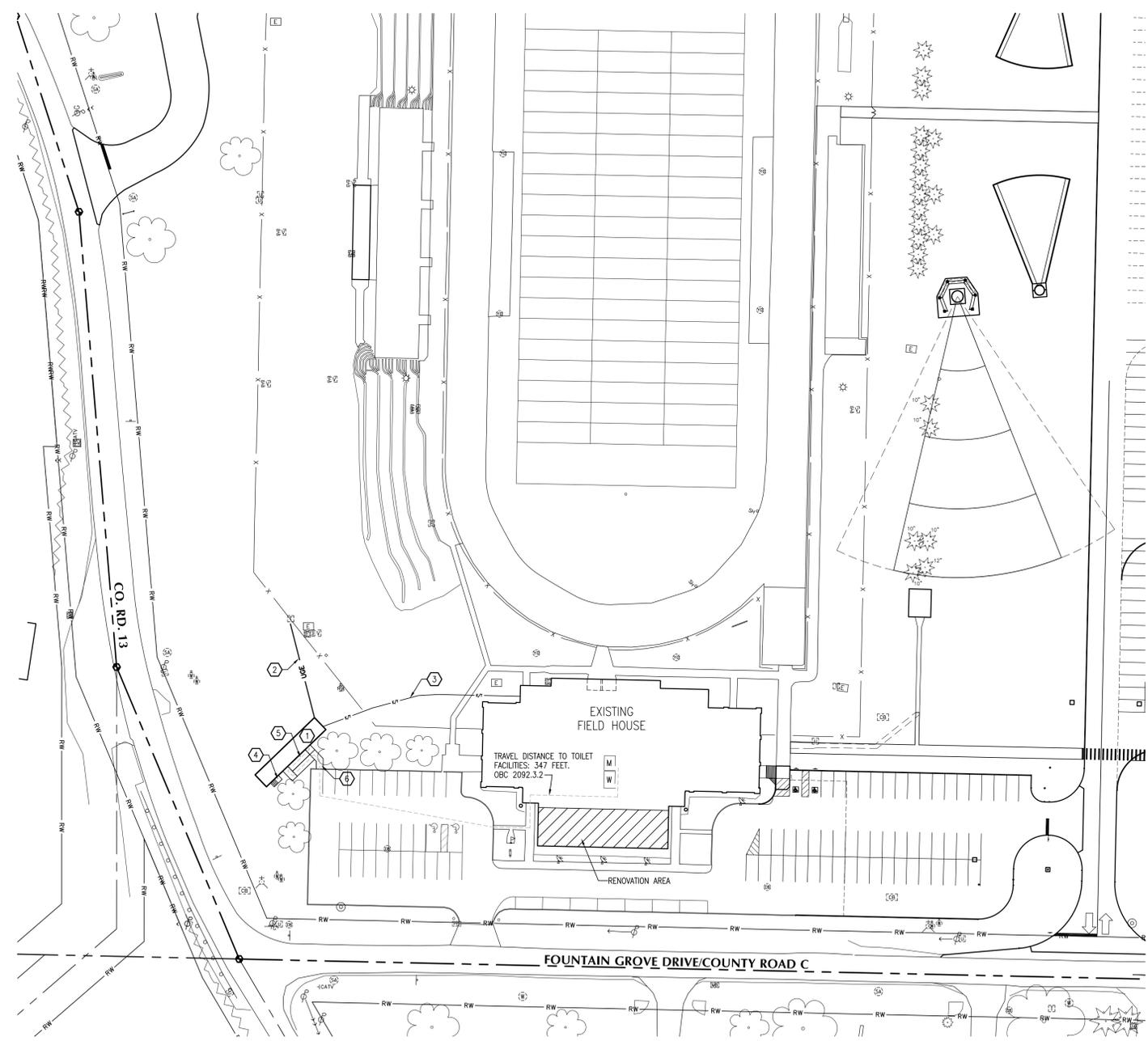
- GENERAL**
C-1 Site Plan, Index, Legend and Location Map
A-1 Floor Plan and Partial Demolition Plan
A-2 Enlarged Floor Plan, Door Schedule and Details, Sign Details
A-3 Casework Details and Schedule, Interior Elevations
A-4 Reflected Ceiling Plan and Room Finish Schedules
A-5 Equipment Plan and Schedule

- MECHANICAL**
M-1 HVAC Plans, Schedules and Details.

- ELECTRICAL**
E-1 Electrical Plans, Schedules and Details



CITY OF BRYAN LOCATION MAP

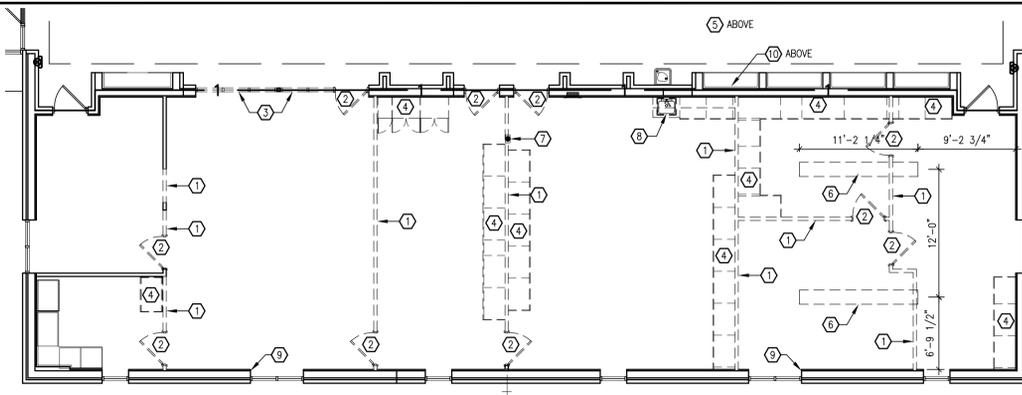


DEVELOPMENT PLAN
C-1 SCALE: 1"=50'

- KEYNOTE LEGEND**
- ① TEMPORARY 60'x12' MOBILE OFFICE TRAILER.
 - ② TEMPORARY UNDERGROUND 120/240V ELECTRICAL SERVICE FROM EXISTING TRANSFORMER/METER TO OFFICE TRAILER. 150AMPS, (3)#1/0 WITH #6 GROUND IN 1 1/2" CONDUIT.
 - ③ TEMPORARY 3/4" CONDUIT (ON SURFACE), TO EXISTING PULL BOX MOUNTED ON EXTERIOR OF BUILDING WALL. EXTEND INTO TRAILER, VERIFY LOCATION OF TERMINATION IN TRAILER PRIOR TO BEGINNING WORK. THE OWNER WILL BE PROVIDING A PER-TERMINATED FIBER OPTIC CABLE. CONTRACTOR TO DETERMINE LENGTH OF NEEDED CABLE AND NOTIFY THE ARCHITECT.
 - ④ TEMPORARY EGRESS STAIRS BY MOBILE OFFICE SUPPLIER.
 - ⑤ TEMPORARY ADA COMPLIANT EGRESS RAMP BY MOBILE OFFICE SUPPLIER.
 - ⑥ TEMPORARY 5' WIDE WALK FROM MOBILE OFFICE TO EXISTING PARKING LOT, CONSISTING OF 4" OF COMPACTED ODOT #411 STONE, OVER 6 MIL PLASTIC SHEETING.

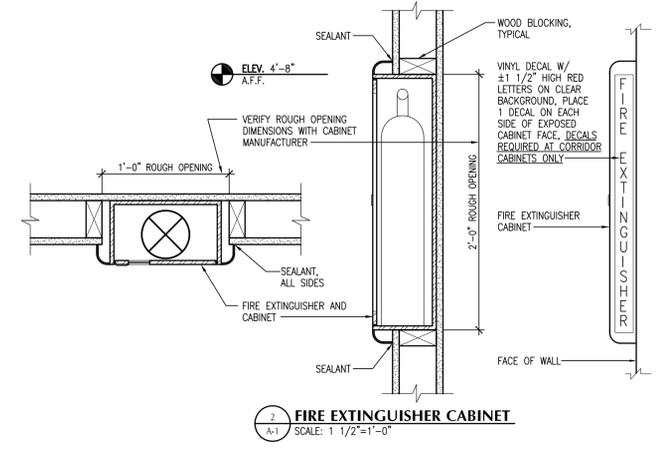
- CROSS REFERENCE LEGEND**
- ⊖ SECTION NUMBER DESIGNATION DRAWING NUMBER WHERE SECTION OR DETAIL OCCURS OR IS TAKEN
 - ⊕ ELEVATION NUMBER DESIGNATION DRAWING NUMBER WHERE ELEVATION OCCURS OR IS TAKEN
 - ROOM ROOM DESIGNATION
 - NO. ROOM NUMBER, SEE SHEET A-4
 - DOOR NUMBER, SEE SHEET A-2
 - △ REVISION NUMBER
 - ⊙ KEYNOTE DESIGNATION

- EQUIPMENT LEGEND**
- ⊞ CASEWORK SCHEDULED ON SHEET A-3
 - ⊞# EQUIPMENT SCHEDULED ON SHEET A-5



3 PARTIAL DEMOLITION PLAN
SCALE: 1/8"=1'-0"

- KEYNOTE LEGEND**
- 1 REMOVE INTERIOR METAL FRAMED WALL OR PORTION OF WALL AS INDICATED, DISCONNECT ALL ELECTRICAL AND PLUMBING AS REQUIRED. TOP OF WALL IS AT 11'-4". PATCH EXISTING SUB-CEILING WHERE WALL IS REMOVED.
 - 2 REMOVE DOOR, FRAME, AND HARDWARE.
 - 3 REMOVE EXISTING WINDOW SYSTEM.
 - 4 REMOVE CASEWORK, INCLUDING BASE & WALL CABINETS, COUNTERTOP AND BACKSPLASH.
 - 5 REMOVE ROOFING AS REQUIRED FOR INSTALLATION OF NEW CURB FOR ROOF TOP UNIT. REPLACE ROOFING SYSTEM WHERE EXISTING IS DISTURBED. PATCH MEMBRANE PER MANUFACTURER'S STANDARD DETAILS. INSTALL ROOF TOP SUPPORT FRAME AND ADDITIONAL JOIST WEBSING. SEE DETAILS ON SHEET A-3. TEMPORARILY REMOVE CEILING SYSTEM AND LIGHTING AS REQUIRED FOR NEW WORK.
 - 6 REMOVE PORTION OF EXISTING FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW ELECTRICAL CONDUITS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL DETAILS. SEE DETAIL 4/A-1 FOR REPLACEMENT.
 - 7 REMOVE FIRE EXTINGUISHER AND SEMI-RECESSED CABINET.
 - 8 P.C. TO REMOVE PLUMBING FIXTURES/PIPING AS REQUIRED FOR NEW WORK. G.C. SHALL PATCH FLOORS AND WALLS FOR NEW FINISH MATERIAL.
 - 9 REMOVE DRYWALL FROM WINDOW JAMB IN PREPARATION OF DRYWALL.
 - 10 REMOVE BRICK AND BLOCK ABOVE LOWER ROOF FOR DUCT PENETRATIONS FROM NEW ROOF TOP UNIT. SEE FRAMING PLAN ON SHEET A-3. VERIFY SIZE OF OPENING WITH H.C. INSTALL CAVITY FLASHING AT OPENING LINTEL.

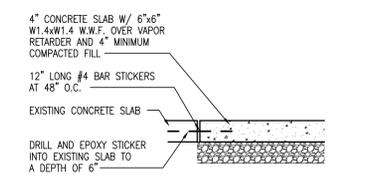


2 FIRE EXTINGUISHER CABINET
SCALE: 1 1/2"=1'-0"

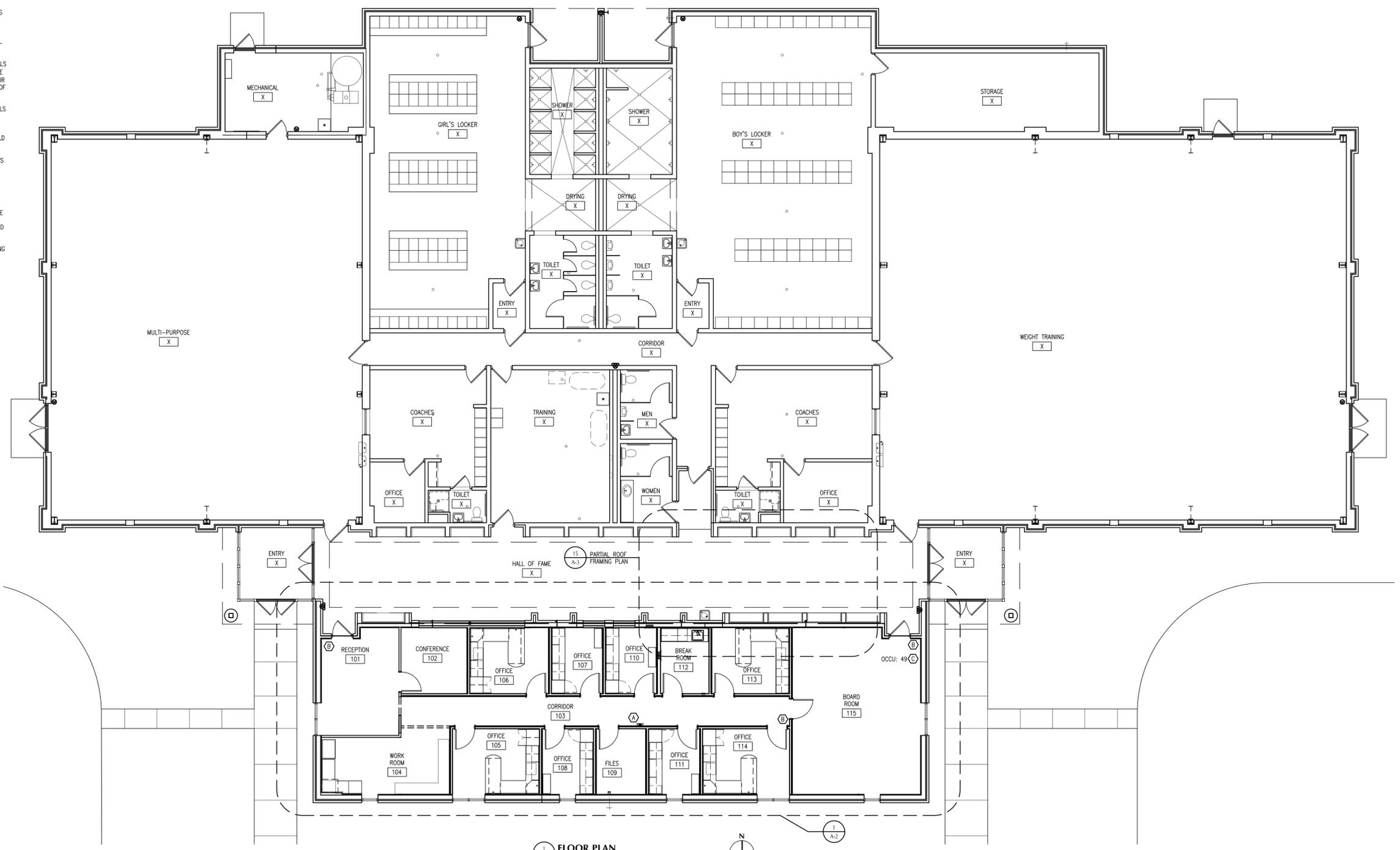
- LEGEND**
- 1 --- 1 --- EXISTING ONE HOUR SEPARATION, FIRE-STOP 1 HR ASSEMBLY
 - 1 --- 1 --- ALL NEW PENETRATIONS
- KEYNOTE LEGEND**
- A FIRE EXTINGUISHER IN SEMI-RECESSED CABINET, SEE DETAIL 2, SHEET A-1.
 - B EXIT DESIGNATION, TYPE B SIGN, SEE SIGNAGE TYPES, SHEET A-2.
 - C POSTED OCCUPANCY LOAD, TYPE C SIGN, SEE SIGNAGE TYPES, SHEET A-2.
- CODE CRITERIA**
- PROJECT CONSISTS OF RENOVATION OF EXISTING SPACES. THIS PROJECT DOES NOT CONSTITUTE A CHANGE IN USE GROUP, CONSTRUCTION TYPE, NOR BUILDING AREA. OBC CHAPTER 34.

GENERAL DEMOLITION NOTES

1. EXISTING BUILDING INFORMATION IS COMPILED FROM RECORD DRAWINGS AND PHOTOS, AND REPRESENTS APPROXIMATE EXISTING CONDITIONS. HOWEVER THE ARCHITECT MAKES NO WARRANTY AS TO THE ACCURACY THEREOF. FIELD VERIFY ALL CONDITIONS PRIOR TO BEGINNING WORK.
2. WHERE DEMOLITION CAUSES DAMAGE TO EXISTING SURFACES OR COMPONENTS WHICH ARE TO REMAIN, REPAIR ALL DAMAGE AND PATCH ALL SURFACES TO MATCH ADJACENT FINISHES.
3. REPAIR ALL WALLS TO A LEVEL MATCHING EXISTING, FOLLOWING THE REMOVAL OF WALL MOUNTED, AND/OR WALL ANCHORED EQUIPMENT AND FIXTURES.
4. OWNER SHALL RETAIN RIGHTS OF OWNERSHIP FOR ALL SALVAGEABLE MATERIALS AND/OR EQUIPMENT REMOVED DURING DEMOLITION. THIS SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY OF REMOVING MATERIALS AND/OR EQUIPMENT AS REQUIRED FOR NEW CONSTRUCTION. COORDINATE LOCATION OF SALVAGED MATERIAL STORAGE DIRECTLY WITH THE OWNER.
5. AT LOCATIONS OF STRUCTURAL DEMOLITION, REMOVAL AND PATCHING OF WALLS AND DOOR OPENINGS AND RELATED WORK, SHORE EXISTING STRUCTURE AS REQUIRED UNTIL NEW WORK IS IN PLACE.
6. DIMENSIONS SHOWN ON DEMOLITION DRAWINGS ARE APPROXIMATE AND SHOULD BE VERIFIED BASED ON REQUIRED WORK.
7. REPAIR AND/OR INFILL EXISTING MASONRY WALL AND CONCRETE FLOOR SLABS TO MATCH EXISTING WHERE HVAC COMPONENTS, PLUMBING FIXTURES/PIPING, AND ELECTRICAL DEVICES/CONDUIT, ETC. ARE REMOVED.
8. SEE PLUMBING, HVAC, AND ELECTRICAL DRAWINGS FOR DEMOLITION OF PLUMBING, HVAC, AND ELECTRICAL EQUIPMENT AND COMPONENTS.
9. IN AREAS WHERE NEW FLOORING AND BASE MATERIAL ARE INDICATED, REMOVE THE EXISTING BASE AND FLOORING MATERIALS AND PREP SLAB AS REQUIRED FOR NEW FINISH MATERIAL, SEE ROOM FINISH SCHEDULE ON SHEET A-4, AND FLOORING DRAWINGS.
10. IN AREAS WHERE NEW CEILINGS ARE INDICATED, REMOVE THE EXISTING CEILING SYSTEM. SEE ROOM FINISH SCHEDULE ON SHEET A-4 FOR NEW CEILING LOCATIONS.
11. COORDINATE ALL DEMOLITION WITH OTHER TRADES.



4 SLAB REPLACEMENT DETAIL
SCALE: 3/4"=1'-0"



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

BEILHARZ ARCHITECTS INCORPORATED

1350 FOUNTAIN GROVE DRIVE
BRYAN, OHIO 43506

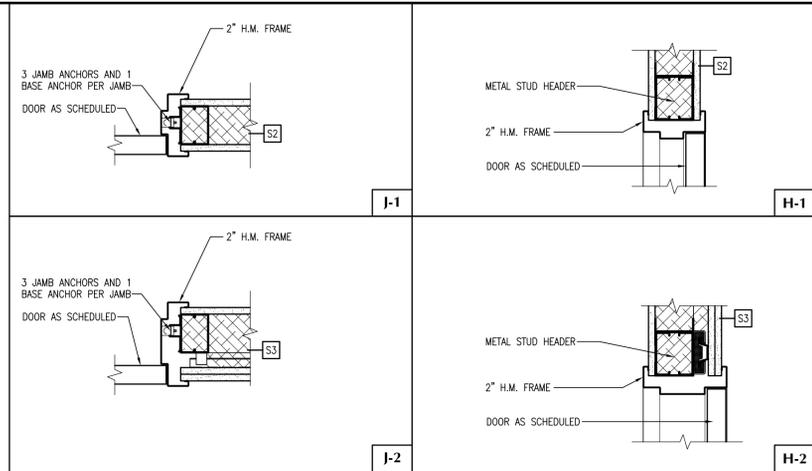
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BRYAN CITY SCHOOL DISTRICT

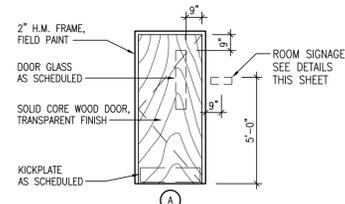
PROJECT: B7-4565
 DRAWN BY: KEP
 CHECKED BY: KAB

SHEET
A-1
 2 OF 8



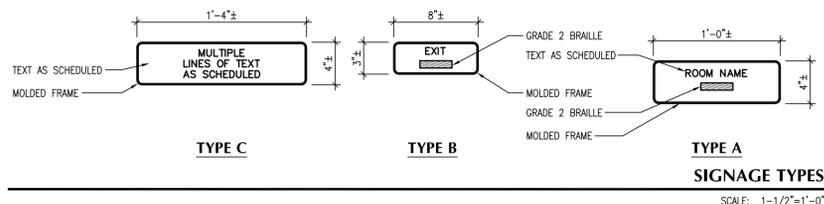
GENERAL OPENING NOTES

1. TYPICAL DOOR THICKNESS 1-3/4\"/>



DOOR ELEVATIONS

SCALE: 1/4\"/>



SIGNAGE TYPES

SCALE: 1-1/2\"/>

| MARK | DOOR | | GLAZING | MTRL | ELEV | DETAIL | FIRE | STC | HDW | SIGN | NOTES |
|------|----------|------|---------|------|------|--------|------|-----|-----|------|-------|
| | SIZE | TYPE | | | | | | | | | |
| 101 | 3'-0\"/> | | | | | | | | | | |
| 102 | 3'-2\"/> | | | | | | | | | | |
| 103 | Not Used | | | | | | | | | | |
| 104 | Not Used | | | | | | | | | | |
| 105 | 3'-0\"/> | | | | | | | | | | |
| 106 | 2'-8\"/> | | | | | | | | | | |
| 107 | 2'-8\"/> | | | | | | | | | | |
| 108 | 3'-0\"/> | | | | | | | | | | |
| 109 | 3'-0\"/> | | | | | | | | | | |
| 110 | 3'-0\"/> | | | | | | | | | | |
| 111 | 3'-0\"/> | | | | | | | | | | |
| 112 | 3'-0\"/> | | | | | | | | | | |
| 113 | 3'-0\"/> | | | | | | | | | | |
| 114 | 3'-0\"/> | | | | | | | | | | |
| 115 | 3'-0\"/> | | | | | | | | | | |
| 115A | 3'-0\"/> | | | | | | | | | | |

| DOOR SCHEDULE LEGEND | | |
|---------------------------------|----------------------------|--------------------------|
| MATERIAL LEGEND | GLAZING TYPE LEGEND | NOTES LEGEND |
| HM Hollow Metal | A 1/4\"/> | |
| WD Solid Core Wood | B 1-3/8\"/> | |
| WDA Solid Core Wood, Acoustical | | 1 8\"/> |
| | | 2 Paint existing frame |
| | | X Prefix noting existing |

| TYPE | RATINGS | | | CONSTRUCTION DESCRIPTION |
|------|-----------|-----|------|--------------------------|
| | U | STC | FIRE | |
| S1 | | | | METAL STUDS AT 16\"/> |
| S2 | 3 5/8\"/> | | | |
| S2A | 3 5/8\"/> | | | |
| S3 | >60 | | | DOUBLE LAYER OF 5/8\"/> |
| S4 | | | | 7/8\"/> |
| X | | | | EXISTING WALL |

WALL TYPES

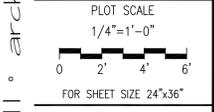
SCALE: 1\"/>

LEGEND

- Light Gauge Frame Wall, See Wall Types This Sheet. Extend to Drywall Slab-Ceiling Above. Seal with Acoustical Sealant at Top of Wall and All Penetrations.
- FEC Fire Extinguisher Cabinet, See Detail 2/A-1
- HB Hose Bib
- X PREFIX DENOTING EXISTING (ABOVE ITEMS)

- GENERAL NOTES**
1. DIMENSIONS ARE TO FACE OF STUD, FACE OF NOMINAL MASONRY OR EXISTING CONSTRUCTION (U.N.O.).
 2. PROVIDE BLOCKING AT METAL STUD PARTITION WALLS AS REQ'D FOR SUPPORT OF ALL WALL MOUNTED EQUIPMENT AND ACCESSORIES. REFER TO INTERIOR ELEVATION SHEET AND EQUIPMENT PLAN.
 3. SEE SHEET A-5 FOR EQUIPMENT LOCATIONS AND DESCRIPTIONS.
 4. FURNISH AND INSTALL ALL ROOM SIGNAGE, SEE DETAILS ON SHEET A-2.
 5. PAINT TUB, TRIM, EXPOSED CONDUITS AND SURFACE OF ALL POWER PANELS, SEE ELECTRICAL DRAWINGS FOR LOCATIONS.
 6. PROVIDE INFILL (MATCH EXISTING MATERIAL AND WALL THICKNESS) AT LOCATIONS IN EXISTING WALLS, WHERE DUCTWORK IS REMOVED, SEE HVAC PLANS FOR EXTENT OF DEMOLITION WORK.

- KEYNOTE LEGEND** ALL WORK BY G.C., U.N.O.
- 1 AT LOCATIONS WHERE EXISTING WALL WAS REMOVED, REPAIR/PATCH WITH NEW DRYWALL.
 - 2 ALIGN METAL STUD WALL SO NEW GYPSUM BOARD IS FLUSH WITH EXISTING WALL SURFACE.
 - 3 EXISTING ELECTRICAL PANEL, REFER TO ELECTRICAL DRAWINGS
 - 4 EXISTING CASEWORK/COUNTERTOP TO REMAIN
 - 5 20\"/>



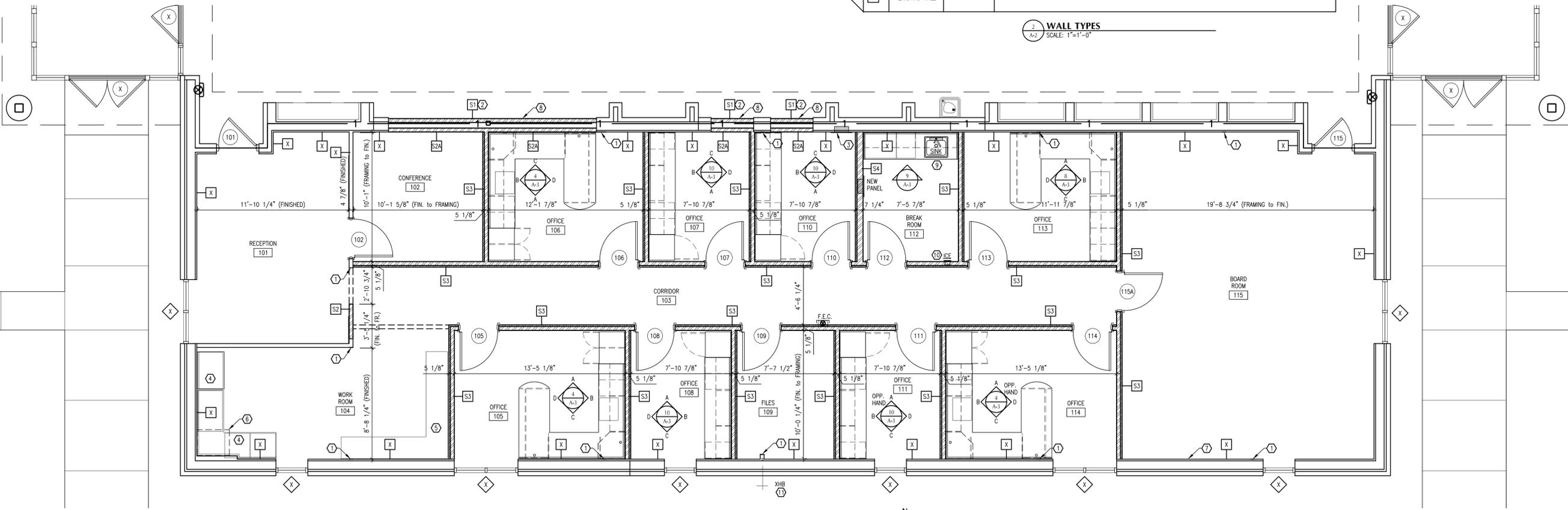
FOR SHEET SIZE 24\"/>

ISSUE DATE

| NO. | DATE | DESCRIPTION |
|-----|----------|------------------|
| 1 | 11-14-17 | PERMITS AND BIDS |

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 1350 FOUNTAIN GROVE DRIVE
 BRYAN, OHIO 43506



FLOOR PLAN

SCALE: 1/4\"/>

FLOOR PLAN
 DOOR SCHEDULE
 DOOR DETAILS
 WALL TYPES

PROJECT: B7-4565
 DRAWN BY: KEP
 CHECKED BY: KAB

SHEET

A-2

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PLOT SCALE
1/4"=1'-0"
0 2 4 6
FOR SHEET SIZE 24"x36"

ISSUE DATE
11-14-17 PERMITS AND BIDS

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ADMIN. OFFICE RENOVATIONS
BRYAN CITY SCHOOL DISTRICT
1350 FOUNTAIN GROVE DRIVE
BRYAN, OHIO 43506

CASEWORK DETAILS
CASEWORK SCHEDULE
INTERIOR ELEVATIONS

PROJECT: B7-4565

DRAWN BY: KEP

CHECKED BY: KAB

SHEET

A-3

4 OF 8

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GENERAL CASEWORK NOTES

- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION
- CASEWORK FABRICATOR SHALL OBTAIN FROM THE SINK INSTALLER, A CUTOUT TEMPLATE FOR EACH SINK USED. CASEWORK FABRICATOR SHALL THEN VERIFY CLEARANCES IN ALL SINK CABINETS PRIOR TO FABRICATION OF UNITS. CASEWORK FABRICATOR SHALL BE SOLELY RESPONSIBLE FOR REWORK OF CABINETS IF VERIFICATION PROCESS IS NOT COMPLETELY PERFORMED.
- ALL PLASTIC LAMINATE COUNTERTOPS SHALL HAVE 180° WRAP EDGES
- ALL EXPOSED CABINET ENDS, SIDES AND BACKS SHALL HAVE FINISHED PANELS TO MATCH CABINET FRONT.
- AT UPPER AND TALL CABINETS, PROVIDE TOPS ON ALL FILLER PANELS.
- PROVIDE CHAIN STOPS ON ALL CABINET DOORS AT LOCATIONS WHERE DOOR COLLIDES WITH ADJACENT CASEWORK OR WALL WHEN OPENED LESS THAN 120°.

EQUIPMENT LEGEND

- CF CASEWORK, SCHEDULED ON SHEET A-3
- QF EQUIPMENT, SCHEDULED ON SHEET A-5

| CASEWORK SCHEDULE | | | | | |
|-------------------|-------------------------------|----|----|----|----------------|
| MARK | DESCRIPTION | W | D | H' | DETAIL SH. A-3 |
| C2F | BASE CABINET | 30 | 24 | 34 | 5 |
| C8A | 2 DRAWER CABINET | 16 | 24 | 30 | 2 |
| C8B | 3 DRAWER CABINET | 16 | 24 | 30 | 3 |
| C10B | 4 DRAWER CABINET | 18 | 24 | 34 | 13 |
| C14A | PENCIL DRAWER | 21 | 18 | 2 | |
| C32E | WALL CABINET | 18 | 14 | 30 | 5 |
| C36E | WALL CABINET | 30 | 14 | 30 | 5 |
| C37E | WALL CABINET | 33 | 14 | 30 | 5 |
| C38D | WALL CABINET | 39 | 14 | 24 | 5 |
| C48B | WALL CABINET, DIAGONAL CORNER | 24 | 24 | 30 | SIM. 5 |
| C48C | MICROWAVE SHELF CABINET | 30 | 14 | 33 | 14 |
| C60D | WARDROBE CABINET | 24 | 24 | 84 | 6 |
| C60E | WARDROBE CABINET | 30 | 24 | 84 | 6 & 7 |
| C65B | UTILITY CABINET | 30 | 24 | 84 | 6 |

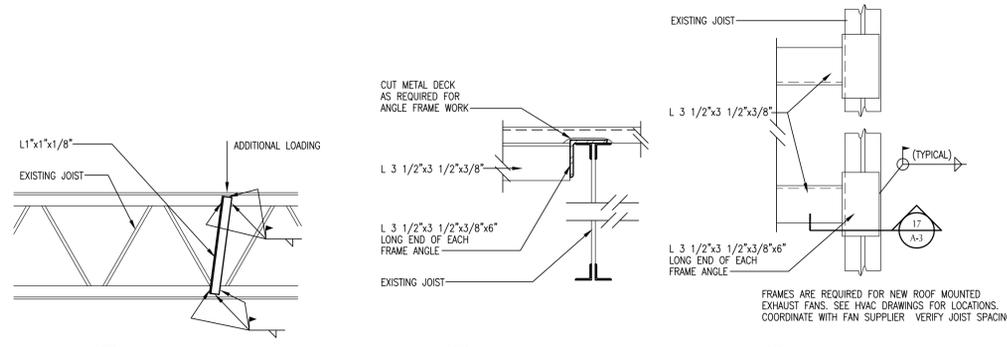
* BASE CABINET HEIGHT SCHEDULED IS NOMINAL HEIGHT OF COUNTERTOP A.F.F.

NOTES LEGEND

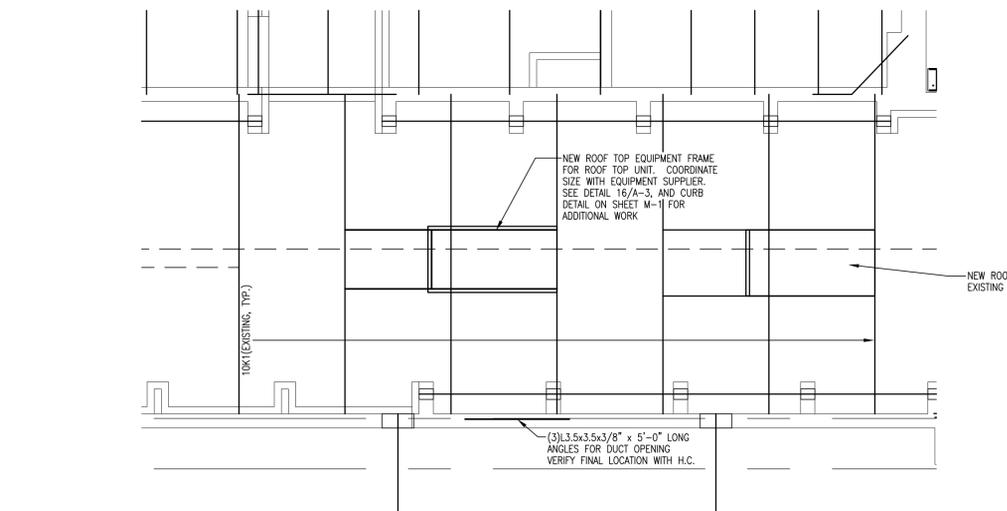
- A Provide cylinder locks at all drawers and doors

KEYNOTE LEGEND

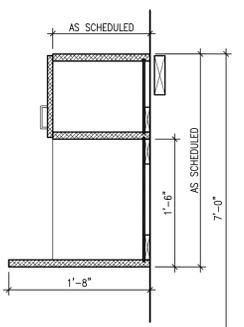
- BASE AS SCHEDULED.
- COUNTERTOP SUPPORT BRACKET.
- MODESTY/COUNTER SUPPORT PANEL.
- PLASTIC LAMINATE UNDERSINK ENCLOSURE, SEE CASEWORK DETAIL 1/A-3.
- GYPSON BOARD, PAINT AS SCHEDULED
- ELECTRICAL DEVICE.



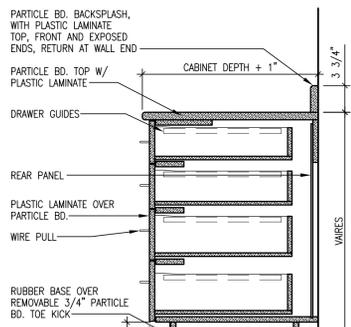
18 JOIST DETAIL SCALE: 1/2"=1'-0"
17 DETAIL SCALE: NONE
16 EQUIPMENT FRAME SCALE: NONE



15 PARTIAL ROOF FRAMING PLAN SCALE: 1/4"=1'-0"



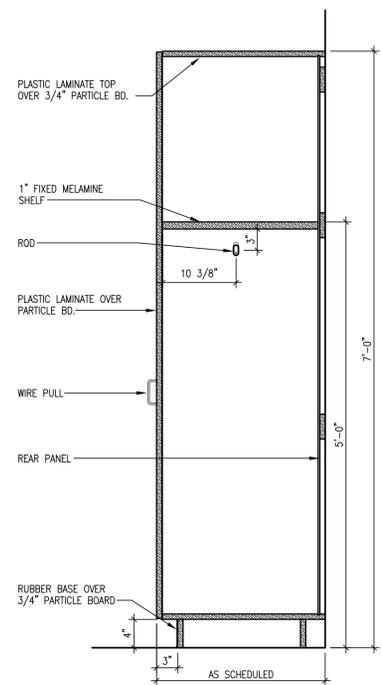
14 MICROWAVE SHELF CABINET SCALE: 1"=1'-0"



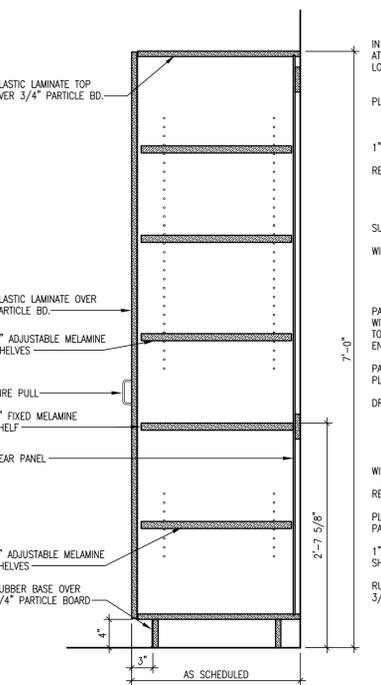
13 4 DRAWER CABINET SCALE: 1"=1'-0"



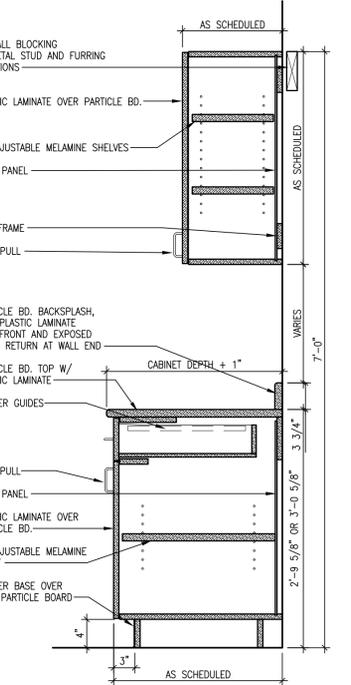
12 NOT USED SCALE: NONE



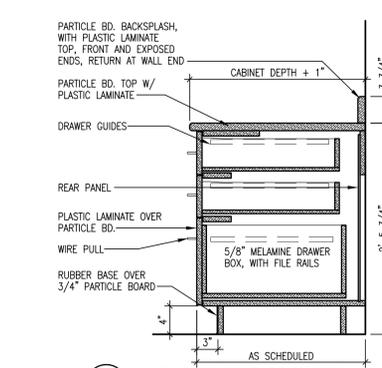
7 WARDROBE CABINET DETAIL SCALE: 1"=1'-0"



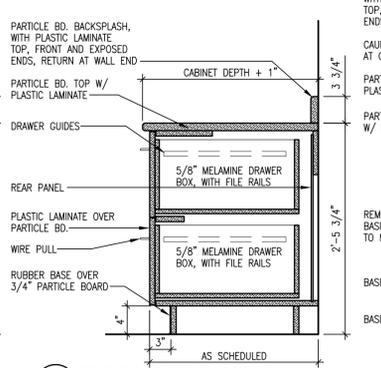
6 UTILITY CABINET DETAIL SCALE: 1"=1'-0"



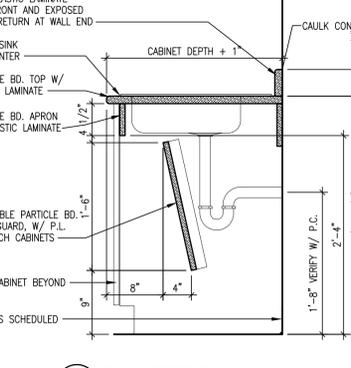
5 BASE/WALL CABINET DETAIL SCALE: 1"=1'-0"



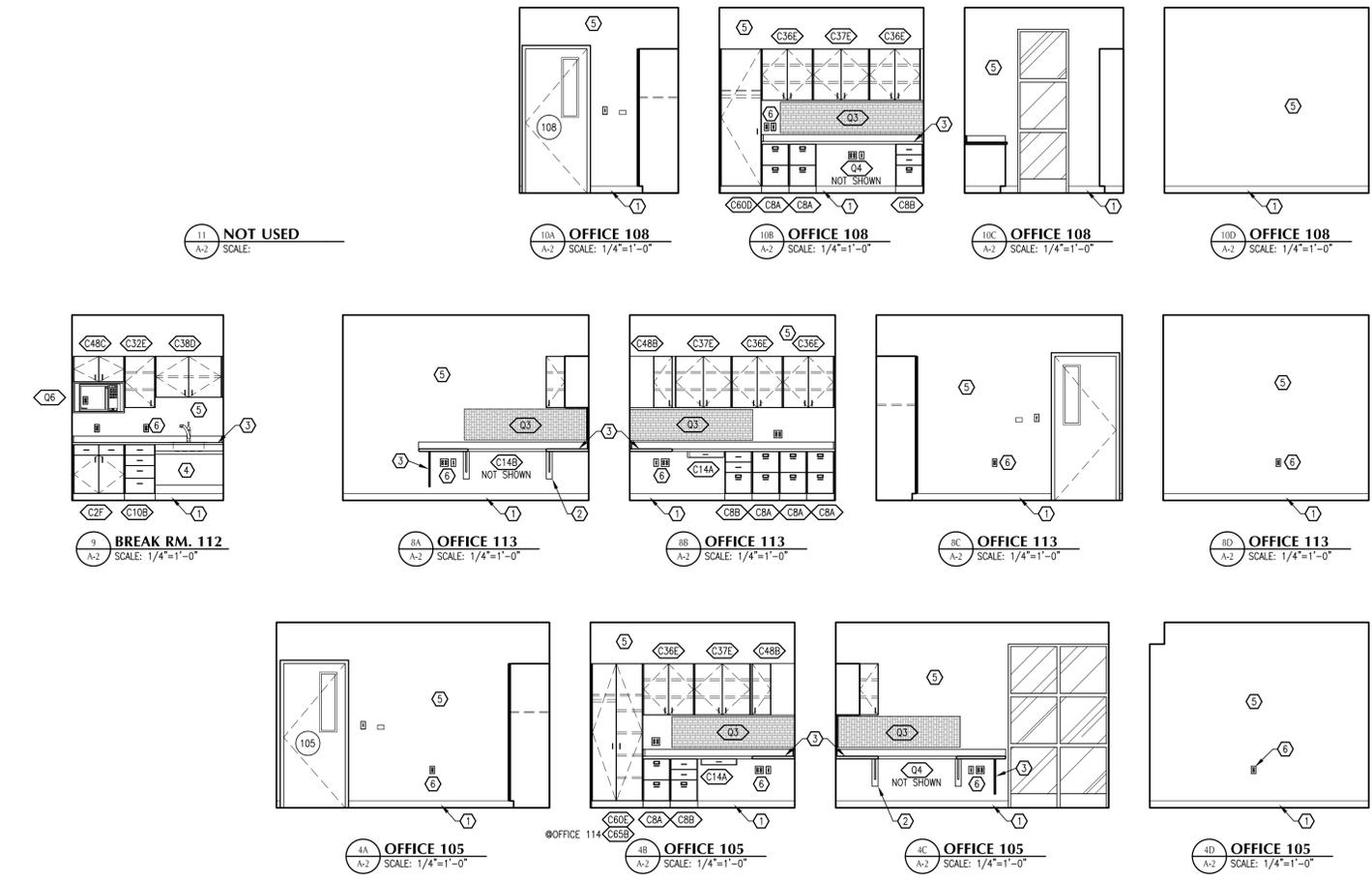
3 3 DRAWER FILE CABINET SCALE: 1"=1'-0"



2 FILE DRAWER CABINET SCALE: 1"=1'-0"



1 COUNTERTOP SINK SCALE: 1"=1'-0"



11 NOT USED SCALE: NONE
10A OFFICE 108 SCALE: 1/4"=1'-0"
10B OFFICE 108 SCALE: 1/4"=1'-0"
10C OFFICE 108 SCALE: 1/4"=1'-0"
10D OFFICE 108 SCALE: 1/4"=1'-0"
9 BREAK RM. 112 SCALE: 1/4"=1'-0"
8A OFFICE 113 SCALE: 1/4"=1'-0"
8B OFFICE 113 SCALE: 1/4"=1'-0"
8C OFFICE 113 SCALE: 1/4"=1'-0"
8D OFFICE 113 SCALE: 1/4"=1'-0"
7A OFFICE 105 SCALE: 1/4"=1'-0"
7B OFFICE 105 SCALE: 1/4"=1'-0"
7C OFFICE 105 SCALE: 1/4"=1'-0"
7D OFFICE 105 SCALE: 1/4"=1'-0"

GENERAL FLOORING NOTES

- SEE ROOM FINISH SCHEDULE FOR FLOOR COVERINGS.
- VERIFY EQUIPMENT AND FIXTURE LAYOUT PRIOR TO INSTALLATION.
- CARPET JOINT LINES SHALL BE STRAIGHT, TIGHT, AND ALIGNED IN BOTH DIRECTIONS.
- CLEAN FLOORS AFTER INSTALLATION OF EQUIPMENT AND FIXTURES.
- USE LEVELING COMPOUND TO CORRECT MINOR DEFECTS IN CONCRETE SLAB BEFORE INSTALLING FLOOR COVERING.
- ALTERNATE GRAIN DIRECTION IN FIELD TILE.
- HEAT TILE AS NECESSARY FOR TIGHT FIT AROUND ALL DOOR FRAMES AND SIMILAR OBSTRUCTIONS.

FLOORING KEYNOTE LEGEND

- Ⓢ RUBBER TRANSITION STRIP.

| ROOM | FLOOR MATL | BASE MATL | WALLS | | | | | | CEILING | | NOTES | | |
|----------------|------------|-----------|-------|-----|------|-----|------|-----|---------|-----|-------|---|-------|
| | | | MATL | FIN | MATL | FIN | MATL | FIN | MATL | FIN | | | |
| | | | | | | | | | | | | N | S |
| 101 Reception | C | RC | XG | P1 | XG | P1 | XG | P1 | XG | P1 | SA4A | - | 9'-0" |
| 102 Conference | C | RC | XG/G | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 103 Corridor | C | RC | G | P1 | G | P1 | G | P1 | G | P1 | SA4A | - | 9'-0" |
| 104 Work Room | C | RC | XG | P1 | XG | P1 | G | P1 | XG | P1 | SA4B | - | 9'-0" |
| 105 Office | C | RC | G | P1 | XG | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 106 Office | C | RC | G | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 107 Office | C | RC | XG/G | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 108 Office | C | RC | G | P1 | XG | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 109 Files | C | RC | G | P1 | XG | P1 | G | P1 | G | P1 | SA4A | - | 9'-0" |
| 110 Office | C | RC | XG/G | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 111 Office | C | RC | G | P1 | XG | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 112 Break Room | LVT | RC | XG | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 113 Office | C | RC | XG | P1 | G | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 114 Office | C | RC | G | P1 | XG | P1 | G | P1 | G | P1 | SA4B | - | 9'-0" |
| 115 Board Room | C | RC | XG | P1 | XG | P1 | XG | P1 | G | P1 | SA4B | - | 9'-0" |

GENERAL CEILING NOTES

- CEILING HEIGHTS, MATERIALS AND FINISHES ARE SHOWN IN THE ROOM FINISH SCHEDULE ON A-4.
- PAINT GYPSUM BOARD CEILINGS AND BULKHEADS AS SCHEDULED.
- COORDINATE LOCATIONS OF CEILING MOUNTED LIGHT FIXTURES, HVAC DIFFUSERS AND GRILLES AND ALL CEILING MOUNTED FIXTURES AND EQUIPMENT BETWEEN TRADES. REFER TO FLOOR PLANS, HVAC DRAWINGS AND ELECTRICAL DRAWINGS.

SYMBOLS LEGEND

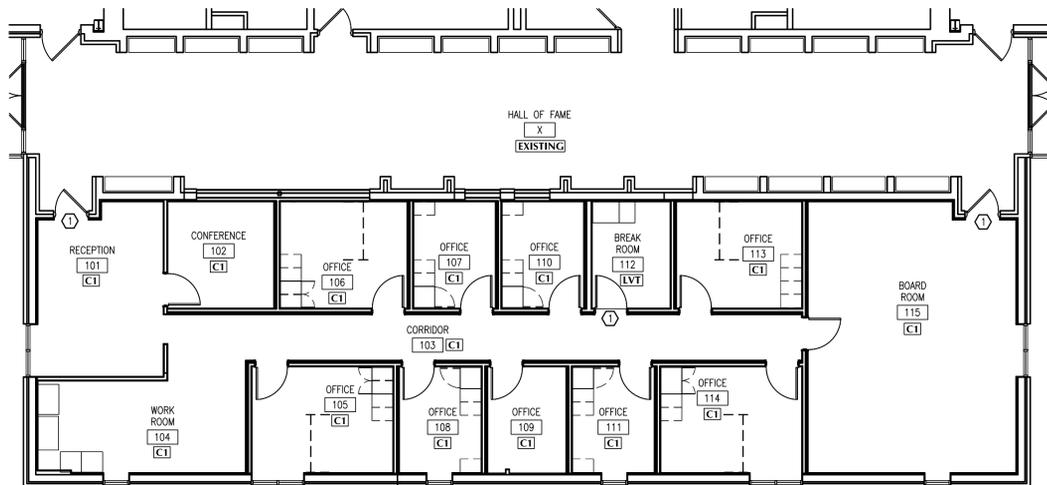
- RECESSED DOWNLIGHT
- 2'x4' RECESSED LIGHT FIXTURE
- ⊗ SUPPLY AIR DIFFUSER
- ⊘ RETURN AIR GRILLE
- ▭ SUSPENDED CEILING GRID SYSTEM

CEILING KEYNOTE LEGEND

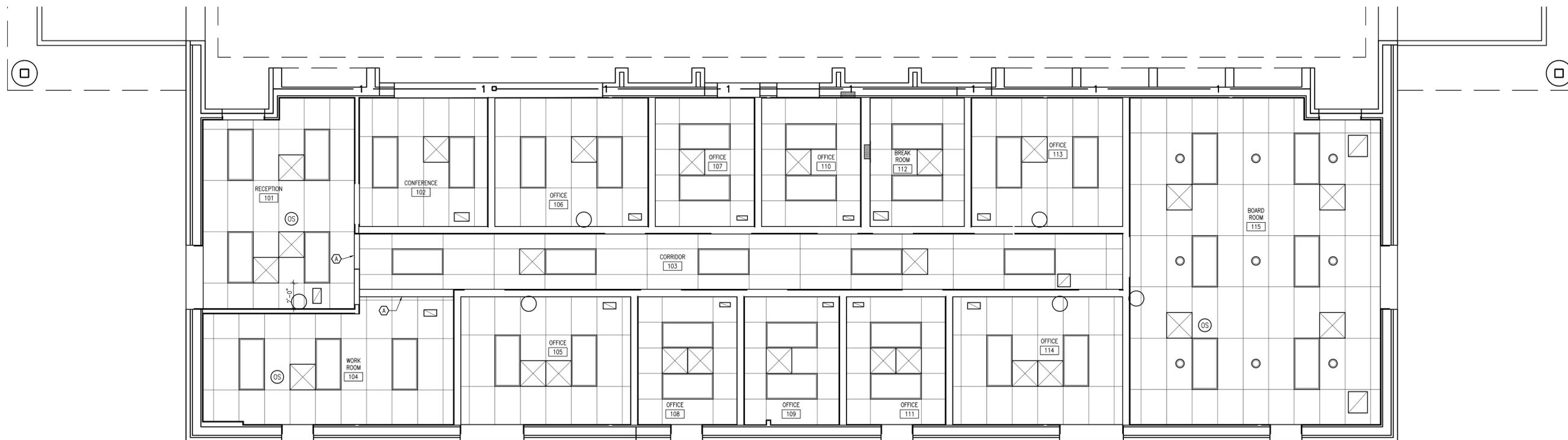
- Ⓢ GYP. BOARD BULKHEAD, 8'-0" AFF.

| ROOM FINISH LEGEND | | | |
|------------------------------|---|----------------------|---------------------|
| FLOOR MATERIAL LEGEND | WALL MATERIAL LEGEND | FINISH LEGEND | NOTES LEGEND |
| C Carpet | G Gypsum board | P1 Paint, eggshell | |
| LVT Luxury Vinyl Tile | X Prefix noting existing to remain | | |
| BASE MATERIAL LEGEND | CEILING MATERIAL LEGEND | | |
| RC Rubber cove, 4" | SA4A Susp. Acoust. Tile, 2x4, Abuse Resistant | | |
| | SA4B Susp. Acoust. Tile, 2x4, High-NRC | | |

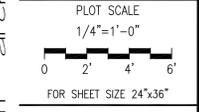
| COLOR SCHEDULE | | | | | |
|----------------|-----------------------------------|------------------|--|--------------------------------------|--|
| ITEM | DESCRIPTION | MFR | SERIES / COLOR | NOTES | |
| BASE FLOORING | C1 Modular Carpet Tile, 24" x 24" | J&J Industries | 910-476418-002-01 Custom Scholar 20066 / 20058 | Quarter Turn Installation | |
| | LVT 18"x18" 20mil LVT | Shaw Contract | Crete, color Industrial | | |
| MISC | RC Rubber Cove Base | Johnsonite | Charcoal | | |
| | Walls | Sherwin Williams | SW7008 Alabaster | | |
| CASEWORK | Interior Hollow Metal Frames | Sherwin Williams | SW7058 Grizzle Gray | Interior Side only of Exterior Doors | |
| | Interior Wood Doors | | White Birch, Clear | | |
| | PL1 Cabinetry | Wilsonart | Fusion Maple 7909-60 | | |
| | PL2 Laminate Countertops | Wilsonart | Steel Mesh 4879-38 | | |



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



REFLECTED CEILING PLAN
SCALE: 1/4"=1'-0"



ISSUE DATE
1 11-14-17 PERMITS AND BIDS

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ADMIN. OFFICE RENOVATIONS
BRYAN CITY SCHOOL DISTRICT
1350 FOUNTAIN GROVE DRIVE
BRYAN, OHIO 43506

REFLECTED CEILING PLAN
ROOM FINISH SCHEDULES
FLOORING PLAN

PROJECT: B7-4565
DRAWN BY: KEP
CHECKED BY: KAB

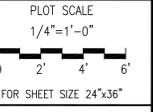
SHEET

A-4

| EQUIPMENT SCHEDULE | | | | | | | | | |
|--------------------|-----------------------------------|--------------|--------|-----|--------|------------|----|-------|-------|
| MARK | DESCRIPTION | SPEC SECTION | SIZE | | | ELECTRICAL | | | NOTES |
| | | | W | D | H | V | PH | LOAD | |
| Q1A | MARKER BOARD (4') | 10 1100 | 48" | - | 48" | - | - | - | A |
| Q1B | MARKER BOARD (6') | 10 1100 | 72" | - | 48" | - | - | - | A |
| Q3 | TACKABLE WALL PANEL, FABRIC FACED | 10 1100 | Varies | 1" | Varies | - | - | - | A |
| Q4 | KEYBOARD/MOUSE TRAY | 12 3000 | 27" | 10" | - | - | - | - | A |
| Q5 | REFRIGERATOR | 01 1000 | 33" | 31" | 70" | 120 | 1 | - | B |
| Q6 | MICROWAVE OVEN | 01 1000 | 24" | 14" | 20" | 120 | 1 | 13.6A | B |
| Q7 | INTERACTIVE MONITOR (75" LED) | 01 1000 | 70" | 4" | 41.5" | 120 | 1 | - | C |
| Q8 | COAT HOOK (SINGLE) | 10 5700 | - | - | - | - | - | - | D |
| Q9 | COAT HOOK PANEL (4 HOOKS) | 10 5700 | 24" | 4" | - | - | - | - | D |

SEE INTERIOR ELEVATIONS AND SHEET A-5 FOR EQUIPMENT MOUNTING HEIGHTS
 CONTRACTORS FURNISHING AND INSTALLING EQUIPMENT SHALL VERIFY ALL QUANTITIES AND PRODUCT INFORMATION

- NOTES LEGEND**
- A Coordinate mounting height w/ furnishings and countertops where required.
 - B Furnished by owner
 - C Furnished by owner, blocking and installation by contractor. Mount top of monitor at 72" AFF.
 - D Coordinate mounting with surface raceway, see sheet E-1. Mount at 60" AFF

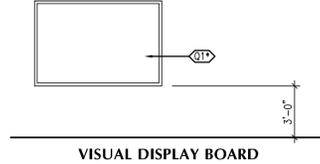


FOR SHEET SIZE 24"x36"

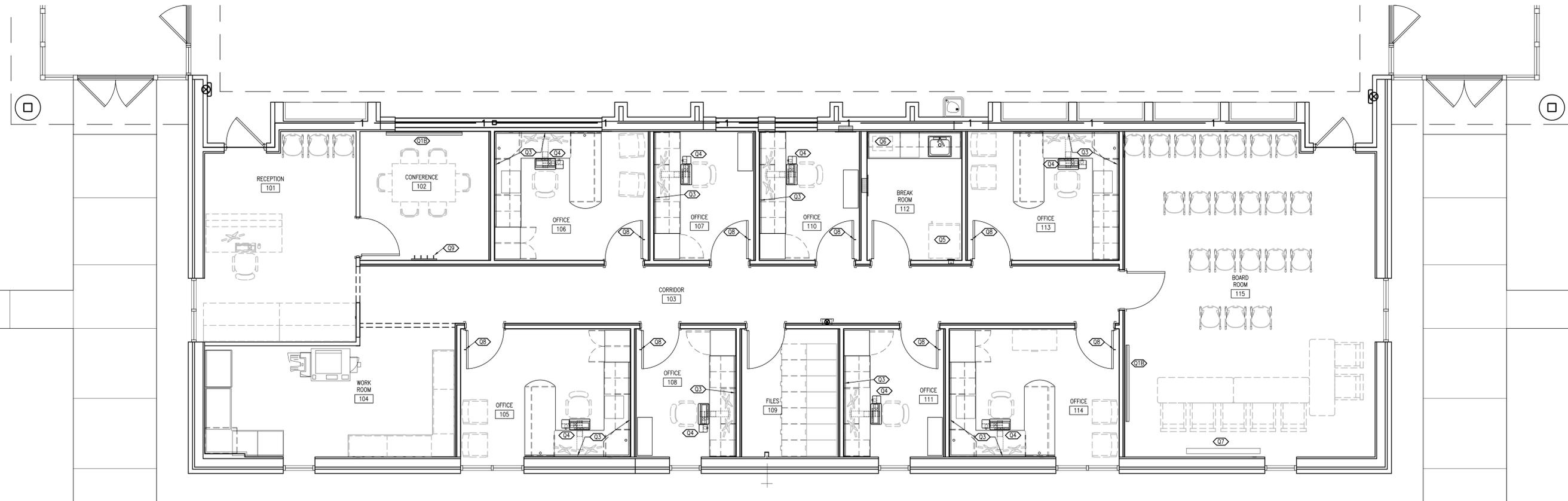
ISSUE DATE

| NO. | DATE | DESCRIPTION |
|-----|----------|------------------|
| 1 | 11-14-17 | PERMITS AND BIDS |

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1
A-5
EQUIPMENT MOUNTING HEIGHTS
SCALE: 1/4"=1'-0"



1
A-5
EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

ADMIN. OFFICE RENOVATIONS
BRYAN CITY SCHOOL DISTRICT
 1350 FOUNTAIN GROVE DRIVE
 BRYAN, OHIO 43506

EQUIPMENT PLAN
 PROJECT: B7-4565
 DRAWN BY: KEP
 CHECKED BY: KAB
 SHEET

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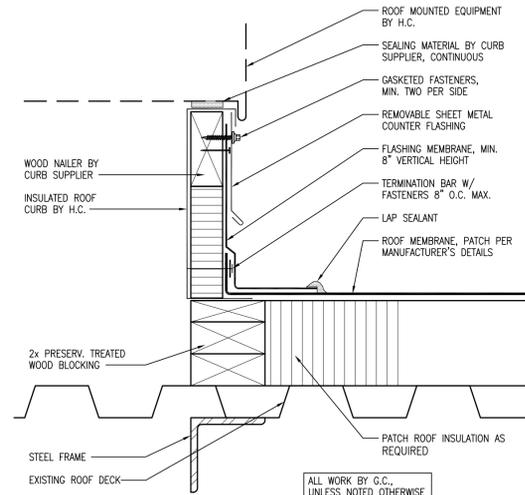
| VENTILATION SCHEDULE | | | | | | |
|----------------------|------|-----------|---------|-------------------|---------|-------|
| ROOM | AREA | OCCUPANTS | | OUTDOOR AIR CFM | | NOTES |
| | | SQ FT | PER KSF | TOTAL | PER OCC | |
| 101 | 188 | 30 | 6 | 5 | 0.06 | 39 |
| 104 | 183 | 5 | 1 | 5 | 0.06 | 16 |
| 105 | 135 | 5 | 1 | 5 | 0.06 | 11 |
| 108 | 80 | 5 | 0 | 5 | 0.06 | 7 |
| 109 | 77 | 5 | 0 | 5 | 0.06 | 5 |
| 111 | 80 | 5 | 1 | 5 | 0.06 | 7 |
| 114 | 135 | 5 | 1 | 5 | 0.06 | 11 |
| RTU-A Total | | | 9 | | | 96 |
| 102 | 103 | 50 | 5 | 5 | 0.06 | 32 |
| 103 | 271 | | | | 0.06 | 16 |
| 106 | 123 | 5 | 1 | 5 | 0.06 | 10 |
| 107 | 80 | 5 | 0 | 5 | 0.06 | 7 |
| 110 | 80 | 5 | 0 | 5 | 0.06 | 7 |
| 112 | 76 | 70 | 5 | 8 | 0.18 | 56 |
| 113 | 122 | 5 | 1 | 5 | 0.06 | 10 |
| RTU-B Total | | | 12 | | | 139 |
| | | | 9 | System Population | | 100 |
| 115 | 496 | 50 | 25 | 5 | 0.06 | 154 |
| RTU-C Total | | | | | | 154 |

NOTES LEGEND
1 Refer to Rooftop Unit Schedule for system outdoor airflow

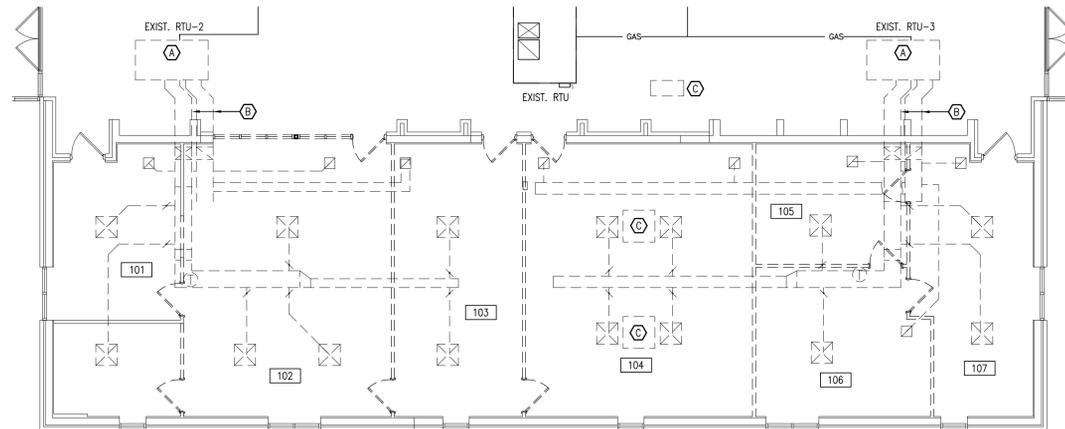
| ROOFTOP UNIT SCHEDULE | | | | | | | | | | | | | | | |
|-----------------------|------------------|-------|----------|-----|-------|---------|------|-------|---------|-----|------------|-----|-------|------|------|
| MARK | MFR | MODEL | HEATING | | | COOLING | | | BLOWER | | ELECTRICAL | | NOTES | | |
| | | | TYPE | | AFUE | MBH | | SEER | TOTAL | CFM | V | PH | | AMPS | FUSE |
| | | | IN | OUT | TOTAL | SENS | SEER | TOTAL | OUTDOOR | | | | | | |
| RTU-A | Johnson Controls | J03ZF | Nat. Gas | 50 | 40 | 80.9 | 40 | 22 | 13 | 900 | 123 | 208 | 3 | 19.7 | 35 |
| RTU-B | Johnson Controls | J03ZF | Nat. Gas | 50 | 40 | 80.9 | 40 | 22 | 13 | 900 | 154 | 208 | 3 | 29.9 | 35 |
| RTU-C | Johnson Controls | J03ZF | Nat. Gas | 50 | 40 | 80.9 | 40 | 22 | 13 | 900 | 208 | 208 | 3 | 19.7 | 35 |

NOTES LEGEND
1 Roof curb, provide to General Contractor for installation
2 110V receptacle powered by unit mounted transformer

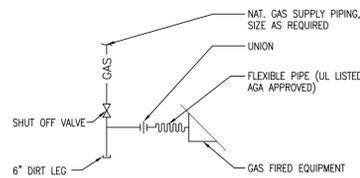
| DIFFUSER, REGISTER AND GRILLE SCHEDULE | | | | | | | | | | | |
|--|--------|----------|-------|-----------|-----|------|----|--------|--------|-----------|-------|
| MARK | TYPE | MOUNTING | SIZE | | CFM | SP | NC | DAMPER | FINISH | PATTERN | NOTES |
| | | | PANEL | NECK | | | | | | | |
| A | Supply | T-Bar | 24x24 | 6" Diam. | 120 | 0.04 | 15 | Yes | White | 4-Way | |
| B | Supply | T-Bar | 24x24 | 8" Diam. | 250 | 0.05 | 15 | Yes | White | 4-Way | |
| C | Supply | T-Bar | 24x24 | 10" Diam. | 350 | 0.05 | 15 | Yes | White | 4-Way | |
| R | Return | Surface | 10x4 | - | 90 | 0.07 | 15 | No | White | 45° Defl. | |
| S | Return | Surface | 12x6 | - | 160 | 0.07 | 20 | No | White | 45° Defl. | |
| T | Return | Surface | 14x8 | - | 250 | 0.07 | 20 | No | White | 45° Defl. | |
| U | Return | Surface | 20x18 | - | 700 | 0.04 | 15 | No | White | 45° Defl. | |



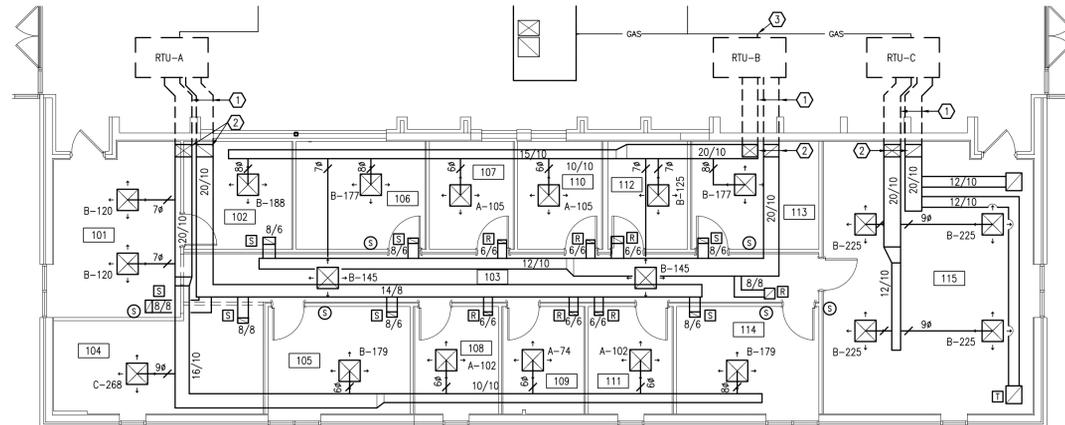
3 ROOF MOUNTED EQUIPMENT CURB DETAIL
SCALE: 3"=1'-0" NRCA TP-125



1 HVAC DEMOLITION PLAN
SCALE: 1/8"=1'-0"



4 TYPICAL GAS CONNECTION
SCALE: NONE



2 HVAC PLAN
SCALE: 1/8"=1'-0"

HVAC GENERAL NOTES

EXISTING BUILDING INFORMATION IS COMPILED FROM RECORD DRAWINGS AND PHOTOS, AND REPRESENTS APPROXIMATE EXISTING CONDITIONS. NOT ALL EXISTING COMPONENTS MAY BE SHOWN. FIELD VERIFY EXISTING CONDITIONS AND LOCATIONS PRIOR TO BIDDING TO CONFIRM REQUIRED SCOPE OF WORK.

SYMBOLS LEGEND

- REMOVE EXISTING DUCT OR COMPONENT
- ☒ REMOVE EXISTING SUPPLY DIFFUSER
- ☒ REMOVE EXISTING RETURN GRILLE
- ⊖ REMOVE EXISTING THERMOSTAT
- ⊕ A-## NEW SUPPLY DIFFUSER SUPPLY CFM MARK, SEE SCHEDULE
- ⊖ NEW RETURN GRILLE, SEE SCHEDULE FOR SIZE
- ⊗ BALANCING DAMPER
- ⊙ SPACE TEMPERATURE SENSOR

DEMOLITION KEYNOTE LEGEND

- A REMOVE EXISTING ROOFTOP UNIT. UTILIZE EXISTING CURB, GAS PIPING AND ELECTRICAL CONNECTIONS FOR NEW UNIT, MODIFY AND PROVIDE ADAPTERS AS REQUIRED. EXISTING CONVENIENCE RECEPTACLE AND LIGHT TO REMAIN.
- B EXISTING EXTERIOR DUCTWORK AND DROP TO SUSPENDED CEILING SPACE TO REMAIN. VERIFY INSULATION CONDITION; REPAIR AS NECESSARY.
- C REMOVE EXISTING SPLIT SYSTEM, CAPTURE REFRIGERANT, AND TURN EQUIPMENT OVER TO THE OWNER.

KEYNOTE LEGEND

- ① HORIZONTAL DUCT ABOVE ROOF, INSULATED FOR EXTERIOR EXPOSURE WITH 2" THICK FIBERGLASS DUCTBOARD AND "VENTURE-GLAD" WATER-PROOF COVERING; WALL OPENING AND FLASHING BY GENERAL CONTRACTOR. UTILIZE EXISTING OPENINGS AT RTU-A & C.
- ② DUCT DROP FROM TRUSS SPACE TO AREA BETWEEN SUBCELLING AND SUSPENDED CEILING. PATCH SUB-CEILING AT DUCT PENETRATIONS.
- ③ CONNECT NEW UNIT TO EXISTING GAS PIPING, SEE DETAIL 4/M-1; FIELD VERIFY
- ④ CONNECT NEW UNIT TO EXISTING GAS PIPING, SEE DETAIL 4/M-1; FIELD VERIFY



KRAIG A. BELHARZ, LICENSE #9482
EXPIRATION DATE: 12/31/2017



PLOT SCALE
1/8"=1'-0"
FOR SHEET SIZE 24"x36"

ISSUE DATE
1 11-14-17 PERMITS AND BIDS

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BRYAN CITY SCHOOL DISTRICT
1350 FOUNTAIN GROVE DRIVE
BRYAN, OHIO 43506

HVAC PLAN

PROJECT: B7-4565

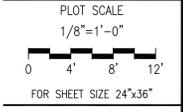
DRAWN BY: LJR

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SHEET

M-1

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ADMIN. OFFICE RENOVATIONS
BRYAN CITY SCHOOL DISTRICT
 1350 FOUNTAIN GROVE DRIVE
 BRYAN, OHIO 43506

ELECTRICAL PLAN

PROJECT: B7-4565

DRAWN BY: LJR

CHECKED BY: KAB

SHEET

E-1

8 OF 8

ELECTRICAL GENERAL NOTES

EXISTING BUILDING INFORMATION IS COMPILED FROM RECORD DRAWINGS AND PHOTOS, AND REPRESENTS APPROXIMATE EXISTING CONDITIONS. NOT ALL EXISTING COMPONENTS MAY BE SHOWN. FIELD VERIFY EXISTING CONDITIONS AND LOCATIONS PRIOR TO BIDDING TO CONFIRM REQUIRED SCOPE OF WORK.

COORDINATE DEVICE LOCATIONS WITH CASEWORK AND WALL PANELS; REFER TO INTERIOR ELEVATIONS AND RELATED ARCHITECTURAL DRAWINGS.

WHERE NEW DEVICES ARE INSTALLED IN EXISTING WALLS, CONCEAL NEW CONDUIT IN STUD OR FURRING SPACE; CUT AND PATCH AS NECESSARY. SURFACE RACEWAY MAY BE RUN HORIZONTALLY FROM NEW WALLS WHERE APPROVED IN FIELD BY ARCHITECT.

MAINTAIN FIRE ALARM SYSTEM IN OPERATION IN OCCUPIED AREAS DURING CONSTRUCTION. COORDINATE OUTAGES WITH OWNER. WHERE EOL DEVICES OR SIMILAR ITEMS ARE REMOVED DURING CONSTRUCTION, REINSTALL OR PROVIDE NEW COMPONENTS COMPATIBLE WITH EXISTING SYSTEM.

THE EXISTING VIDEO SURVEILLANCE SYSTEM SHALL REMAIN UNDISTURBED AND IN WORKING ORDER. TAKE PRECAUTIONS NOT TO DISTURB OR DAMAGE ANY CABLEING OR EQUIPMENT. PROTECT ALL EXISTING COMPONENTS DURING CONSTRUCTION.

KEYNOTE LEGEND

- RELOCATE HORIZONTALLY IF NECESSARY FOR NEW WALL CONSTRUCTION
- RELOCATE VERTICALLY TO +44"; RELOCATE HORIZONTALLY IF NECESSARY FOR NEW WALL CONSTRUCTION
- MONITOR AND MOUNTING BRACKET BY OWNER, WITH BLOCKING BEHIND BRACKET IF NECESSARY TO CLEAR SURFACE RACEWAY
- COORDINATE ROOF OPENING REQUIREMENTS FOR ELECTRICAL SERVICE TO NEW RTU-B. CUTTING, PATCHING, AND FLASHING BY GENERAL CONTRACTOR.
- SIMILAR TO DETAIL 5/E-1 EXCEPT WITH EXISTING CONDUIT AND SINGLE GANG BOX.
- EXISTING COMMUNICATIONS RACK; REPLACE EXISTING PATCH PANELS WITH CAT. 6 PATCH PANELS, MINIMUM 48 PORTS; FIELD VERIFY.

SYMBOLS LEGEND

- REMOVE EXISTING DEVICE. WHERE BOX REMAINS IN EXISTING WALL, PROVIDE BLANK COVER.
- REMOVE EXISTING LIGHT FIXTURE
- EXISTING DEVICE TO REMAIN (DEMOLITION PLAN)
- EXISTING DEVICE TO REMAIN (POWER PLAN)
- REMOVE EXISTING DEVICE; SALVAGE DEVICE AND CABLE FOR REINSTALLATION
- REINSTALL EXISTING DEVICE AND CABLE, OR PROVIDE NEW TO MATCH EXISTING; VERIFY SYSTEM OPERATION BEFORE AND AFTER RELOCATION, COORDINATE REPAIRS WITH OWNER'S VENDOR
- FIRE ALARM STROBE
- FIRE ALARM HORN/STROBE
- CIRCUIT (##) FED FROM PANEL C
- CIRCUIT (##) FED FROM PANEL E
- DUPLEX RECEPTACLE
- HEIGHT TO BOTTOM OF BOX AFF; 16" U.N.O.
- DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER (GFI) PROTECTION
- FLOOR BOX WITH DUPLEX RECEPTACLE. SEE ARCHITECTURAL FOR FLOOR CUTTING AND PATCHING. PROVIDE TWO 1" CONDUIT (ONE POWER, ONE SPARE).
- QUADPLEX RECEPTACLE
- DOUBLE GANG WALL BOX WITH TWO 1-1/4" CONDUIT STUBBED INTO SPACE BETWEEN SUSPENDED CEILING AND SUBCEILING. SEE DETAIL 5/E-1 FOR FACEPLATE AND CABLING DIAGRAMS.
- DOUBLE GANG WALL BOX WITH TWO 1-1/4" CONDUIT STUBBED INTO SPACE BETWEEN SUSPENDED CEILING AND SUBCEILING. SEE DETAIL 6/E-1 FOR FACEPLATE AND CABLING DIAGRAMS.
- SINGLE GANG SURFACE BOX WITH ONE CAT. 6 JACK AND 15' EXTRA CABLE LENGTH, LOCATED ABOVE SUSPENDED CEILING, FIELD VERIFY LOCATION. WIRELESS ACCESS POINT BY OWNER.
- ROOFTOP HVAC UNIT, SEE PANEL SCHEDULE AND HVAC DRAWINGS
- RADIANT CEILING PANEL HEAT, 120V, SEE PANEL SCHEDULE FOR CIRCUIT
- RCP-1: 250W
- RCP-2: 375W
- 120V THERMOSTAT FOR RADIANT CEILING PANEL
- LAY-IN TROFFER; REFER TO LIGHT FIXTURE SCHEDULE
- DOWNLIGHT; REFER TO LIGHT FIXTURE SCHEDULE
- WALL SWITCH; SINGLE POLE
- OCCUPANCY SENSOR SWITCH WITH 2-STEP DIMMING
- WCS
- WALL MOUNTED LIGHTING CONTROL STATION, SEE DETAIL 4/E-1
- OCCUPANCY SENSOR, CEILING TYPE
- OCCUPANCY SENSOR, CORRIDOR TYPE

LIGHT FIXTURE SCHEDULE

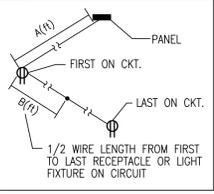
| MARK | DESCRIPTION | MOUNTING | FINISH | COLOR | LUMENS | DIMMING | VOLTS | WATTS | NOTES |
|------|-------------|----------|--------|-------|--------|---------|-------|-------|-------|
| D1 | Downlight | Recessed | White | 3500 | 2000 | 0-10V | 120 | 23 | 1 |
| L43 | 2x4 Troffer | Lay-in | White | 3500 | 3000 | 2 Step | 120 | 26 | |
| L44 | 2x4 Troffer | Lay-in | White | 3500 | 4000 | 2 Step | 120 | 33 | |
| L45 | 2x4 Troffer | Lay-in | White | 3500 | 4800 | 2 Step | 120 | 39 | |
| L4D | 2x4 Troffer | Lay-in | White | 3500 | 4800 | 0-10V | 120 | 39 | 2 |

NOTES LEGEND

- Minimum dimming level 10%
- Minimum dimming level 1%

WIRE SIZING TABLE

| 120V-20A BRANCH CIRCUITS DISTANCE A+B IN FEET | AWG SIZE FOR ENTIRE CIRCUIT (USE COPPER WIRE IN METALLIC CONDUIT, SIZE CONDUIT ACCORDINGLY) |
|---|---|
| 0' to 100' | # 12 (MIN.) |
| 100' to 175' | # 10 |
| 175' to 300' | # 8 |
| 300' to 450' | # 6 (MAX.) |



THIS TABLE IS BASED ON AN EVENLY DISTRIBUTED LOAD ALLOWING A 3% VOLTAGE DROP AT LAST OUTLET; APPLY ACCORDINGLY.

ELECTRICAL PANEL C SCHEDULE (Existing)

| NO | FEEDER | BREAKER | DESCRIPTION | VOLTS | | | AMPS | | | TYPE | NQOD | |
|-------------------|--------|---------|--------------------------|-----------|----------|-------|------|------|------|---------------------|--------|-----|
| | | | | 3 PHASE | 4 WIRE | MAIN | A | B | C | | | KVA |
| 1 | | | *60A3P *Exist. RTU | 6.33 | 8.70 | | | | 2.37 | RTU-C | 25A3P | 2 |
| 3 | | | | 6.33 | 8.70 | | | | 2.37 | | | 4 |
| 5 | | | | 6.33 | 8.70 | | | | 2.37 | | | 6 |
| 7 | | 25A3P | RTU-A | 2.37 | 3.09 | | | | 0.72 | *Recept. Hall | *20A1P | 8 |
| 9 | | | | 2.37 | 3.37 | | | | 1.00 | *Recept. Hall | *20A1P | 10 |
| 11 | | | | 2.37 | | | | 2.91 | 0.54 | *Recept. Ext. | *20A1P | 12 |
| 13 | | | *20A1P *Fire Alarm Panel | 0.50 | 1.50 | | | | 1.00 | *Ltg. Hall, Entries | *20A1P | 14 |
| 15 | | | *20A1P *Recept. 101,104 | 0.54 | 1.37 | | | | 0.83 | *Ltg. Hall | *20A1P | 16 |
| 17 | | | *20A1P *Recept. 101,102 | 0.36 | | | | 0.94 | 0.58 | *Ltg. Hall Accent | *20A1P | 18 |
| 19 | | | *20A1P *Recept. 104 | 0.54 | 1.29 | | | | 0.75 | Ltg. 101-109 | *20A1P | 20 |
| 21 | | | *20A1P *Recept. 104 | 0.36 | 1.14 | | | | 0.78 | Ltg. 110-115 | *20A1P | 22 |
| 23 | 20A | | *20A1P *Recept. 101 | 0.72 | | | | 1.08 | 0.36 | *Recept. 115 | *20A1P | 24 |
| 25 | 20A | | *20A1P *Recept. 105 | 0.72 | 1.08 | | | | 0.36 | *Recept. 115 | *20A1P | 26 |
| 27 | 20A | | *20A1P *Recept. 105 | 0.72 | 1.08 | | | | 0.36 | *Recept. 115 Floor | *20A1P | 28 |
| 29 | 20A | | *20A1P *Recept. 106 | 0.72 | | | | 0.90 | 0.18 | *Recept. 115 | *20A1P | 30 |
| 31 | 20A | | *20A1P *Recept. 106 | 0.72 | 1.62 | | | | 0.90 | *Recept. 115 | *20A1P | 32 |
| 33 | 20A | | *20A1P *Recept. 107 | 0.54 | 0.54 | | | | | Spare | *20A1P | 34 |
| 35 | 20A | | *20A1P *Recept. 108 | 0.54 | 0.54 | | | | | Spare | *20A1P | 36 |
| 37 | | | *20A1P Spare | | 6.39 | | | | 6.39 | Panel E | 60A3P | 38 |
| 39 | | | *20A1P Spare | | 6.39 | | | | 6.39 | | | 40 |
| 41 | | | *20A1P Spare | | 6.39 | | | | 6.39 | | | 42 |
| SUBTOTALS | | | | 23.66 | 22.58 | 21.45 | | | | | | |
| TOTAL LOAD | | | | 67.70 KVA | 188 AMPS | | | | | | | |

ELECTRICAL PANEL E SCHEDULE

| NO | FEEDER | BREAKER | DESCRIPTION | VOLTS | | | AMPS | | | TYPE | NQOD | |
|-------------------|--------|---------|--------------------------|-----------|-----------|------|------|------|------|------------------|-------|--------|
| | | | | 3 PHASE | 4 WIRE | MAIN | A | B | C | | | KVA |
| 1 | 20A | | *20A1P Recept. 103,109 | 0.36 | 0.72 | | | | 0.36 | Recept. 102 | 20A1P | 20A 2 |
| 3 | 20A | | *20A1P Recept. 110 | 0.54 | | | | 0.90 | 0.36 | Recept. 104 | 20A1P | 20A 4 |
| 5 | 20A | | *20A1P Recept. 111 | 0.54 | | | | 0.92 | 0.38 | Radiant Heat 101 | 20A1P | 20A 6 |
| 7 | 20A | | *20A1P Recept. 112 | 0.54 | 0.92 | | | | 0.38 | Radiant Heat 105 | 20A1P | 20A 8 |
| 9 | 20A | | *20A1P Recept. 112 Micro | 1.20 | 1.45 | | | | 0.25 | Radiant Heat 108 | 20A1P | 20A 10 |
| 11 | 20A | | *20A1P Recept. 113 | 0.72 | | | | 0.97 | 0.25 | Radiant Heat 111 | 20A1P | 20A 12 |
| 13 | 20A | | *20A1P Recept. 113 | 0.72 | 1.10 | | | | 0.38 | Radiant Heat 114 | 20A1P | 20A 14 |
| 15 | 20A | | *20A1P Recept. 114 | 0.72 | 4.31 | | | 4.31 | 3.59 | RTU-B | 35A3P | 50G 16 |
| 17 | 20A | | *20A1P Recept. 114 | 0.72 | 4.31 | | | 4.31 | 3.59 | | | 18 |
| 19 | | | Space | | 3.59 | | | | 3.59 | | | 20 |
| 21 | | | Space | | 0.00 | | | | | Space | | 22 |
| 23 | | | Space | | 0.00 | | | | | Space | | 24 |
| 25 | | | Space | | 0.00 | | | | | Space | | 26 |
| 27 | 20A1P | | Spare | 0.00 | 0.00 | | | | | Space | 20A1P | 28 |
| 29 | 20A1P | | Spare | 0.00 | 0.00 | | | | | Space | 20A1P | 28 |
| 29 | 20A1P | | Spare | 0.00 | 0.00 | | | | | Space | 20A1P | 30 |
| SUBTOTALS | | | | 6.32 | 6.66 | 6.20 | | | | | | |
| TOTAL LOAD | | | | 19.18 KVA | 53.2 AMPS | | | | | | | |

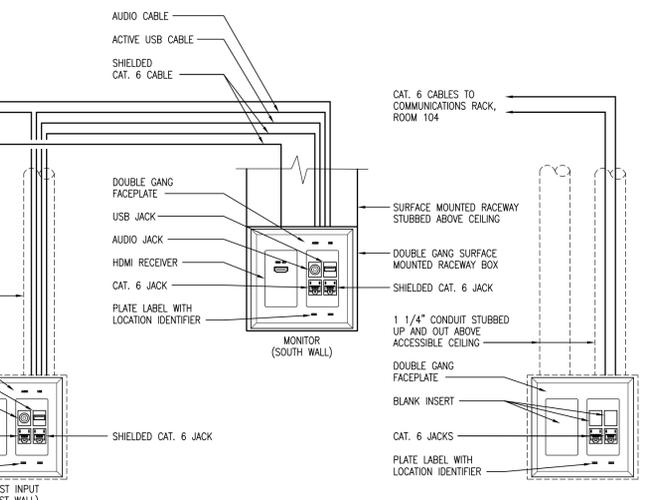
CONDUIT AND WIRE SCHEDULE

| 1 PHASE, 2 WIRE, GROUND | | | | 1 PHASE, 3 WIRE, GROUND | | | |
|-------------------------|--------|--------|---------|-------------------------|--------|--------|---------|
| MARK | WIRE | GROUND | CONDUIT | MARK | WIRE | GROUND | CONDUIT |
| 20A | 2 #12 | 1 #12 | 3/4" | 20B | 3 #12 | 1 #12 | 3/4" |
| 30A | 2 #10 | 1 #10 | 3/4" | 30B | 3 #10 | 1 #10 | 3/4" |
| 50A | 2 #8 | 1 #10 | 3/4" | 50B | 3 #8 | 1 #10 | 3/4" |
| 60A | 2 #6 | 1 #10 | 1" | 60B | 3 #6 | 1 #10 | 1" |
| 80A | 2 #4 | 1 #8 | 1" | 80B | 3 #4 | 1 #8 | 1" |
| 90A | 2 #3 | 1 #8 | 1" | 90B | 3 #3 | 1 #8 | 1 1/4" |
| 110A | 2 #2 | 1 #6 | 1" | 110B | 3 #2 | 1 #6 | 1 1/4" |
| 125A | 2 #1 | 1 #6 | 1 1/4" | 125B | 3 #1 | 1 #6 | 1 1/2" |
| 150A | 2 #1/0 | 1 #6 | 1 1/2" | 150B | 3 #1/0 | 1 #6 | 1 1/2" |
| 175A | 2 #2/0 | 1 #6 | 1 1/2" | 175B | 3 #2/0 | 1 #6 | 2" |
| 200A | 2 #3/0 | 1 #6 | 1 1/2" | 200B | 3 #3/0 | 1 #6 | 2" |
| 225A | 2 #4/0 | 1 #4 | 2" | 225B | 3 #4/0 | 1 #4 | 2" |

| 3 PHASE, 3 WIRE | | | | 3 PHASE, 3 WIRE, GROUND | | | |
|-----------------|--------|--------|---------|-------------------------|--------|--------|---------|
| MARK | WIRE | GROUND | CONDUIT | MARK | WIRE | GROUND | CONDUIT |
| 20C | 3 #12 | - | 3/4" | 20G | 3 #12 | 1 #12 | 3/4" |
| 30C | 3 #10 | - | 3/4" | 30G | 3 #10 | 1 #10 | 3/4" |
| 50C | 3 #8 | - | 3/4" | 50G | 3 #8 | 1 #10 | 3/4" |
| 60C | 3 #6 | - | 1" | 60G | 3 #6 | 1 #10 | 1" |
| 80C | 3 #4 | - | 1" | 80G | 3 #4 | 1 #8 | 1" |
| 90C | 3 #3 | - | 1" | 90G | 3 #3 | 1 #8 | 1 1/4" |
| 110C | 3 #2 | - | 1" | 110G | 3 #2 | 1 #6 | 1 1/4" |
| 125C | 3 #1 | - | 1 1/4" | 125G | 3 #1 | 1 #6 | 1 1/2" |
| 150C | 3 #1/0 | - | 1 1/4" | 150G | 3 #1/0 | 1 #6 | 1 1/2" |
| 175C | 3 #2/0 | - | 1 1/2" | 175G | 3 #2/0 | 1 #6 | 2" |
| 200C | 3 #3/0 | - | 1 1/2" | 200G | 3 #3/0 | 1 #6 | 2" |
| 225C | 3 #4/0 | - | 2" | 225G | 3 #4/0 | 1 #4 | 2" |

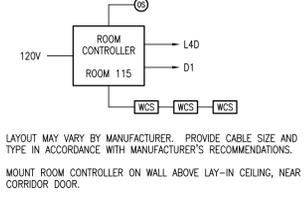
| 3 PHASE, 4 WIRE | | | | 3 PHASE, 4 WIRE, GROUND | | | |
|-----------------|--------|--------|---------|-------------------------|--------|--------|---------|
| MARK | WIRE | GROUND | CONDUIT | MARK | WIRE | GROUND | CONDUIT |
| 20N | 4 #12 | - | 3/4" | 20NG | 4 #12 | 1 #12 | 3/4" |
| 30N | 4 #10 | - | 3/4" | 30NG | 4 #10 | 1 #10 | 3/4" |
| 50N | 4 #8 | - | 3/4" | 50NG | 4 #8 | 1 #10 | 1" |
| 60N | 4 #6 | - | 1" | 60NG | 4 #6 | 1 #10 | 1 1/4" |
| 80N | 4 #4 | - | 1" | 80NG | 4 #4 | 1 #8 | 1 1/4" |
| 90N | 4 #3 | - | 1 1/4" | 90NG | 4 #3 | 1 #8 | 1 1/4" |
| 110N | 4 #2 | - | 1 1/4" | 110NG | 4 #2 | 1 #6 | 1 1/2" |
| 125N | 4 #1 | - | 1 1/2" | 125NG | 4 #1 | 1 #6 | 2" |
| 150N | 4 #1/0 | - | 1 1/2" | 150NG | 4 #1/0 | 1 #6 | 2" |
| 175N | 4 #2/0 | - | 2" | 175NG | 4 #2/0 | 1 #6 | 2" |
| 200N | 4 #3/0 | - | 2" | 200NG | 4 #3/0 | 1 #6 | 2 1/2" |
| 225N | 4 #4/0 | - | 2" | 225NG | 4 #4/0 | 1 #4 | 2 1/2" |

Adjust conduit and wire sizes in accordance with NEC for runs longer than 75 feet to prevent substantial voltage drop. For 20A single phase circuits, see Wire Sizing Table.

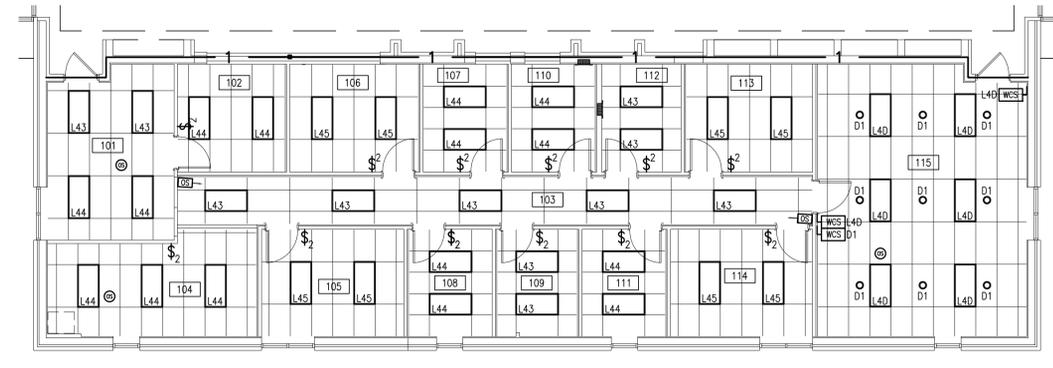


6 BOARD ROOM CONNECTIVITY SCALE: NONE

5 TYPICAL CONNECTIVITY SCALE: NONE



4 LIGHTING CONTROL SCHEMATIC SCALE: NONE



3 LIGHTING PLAN SCALE