HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

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JUNE 1, 2021

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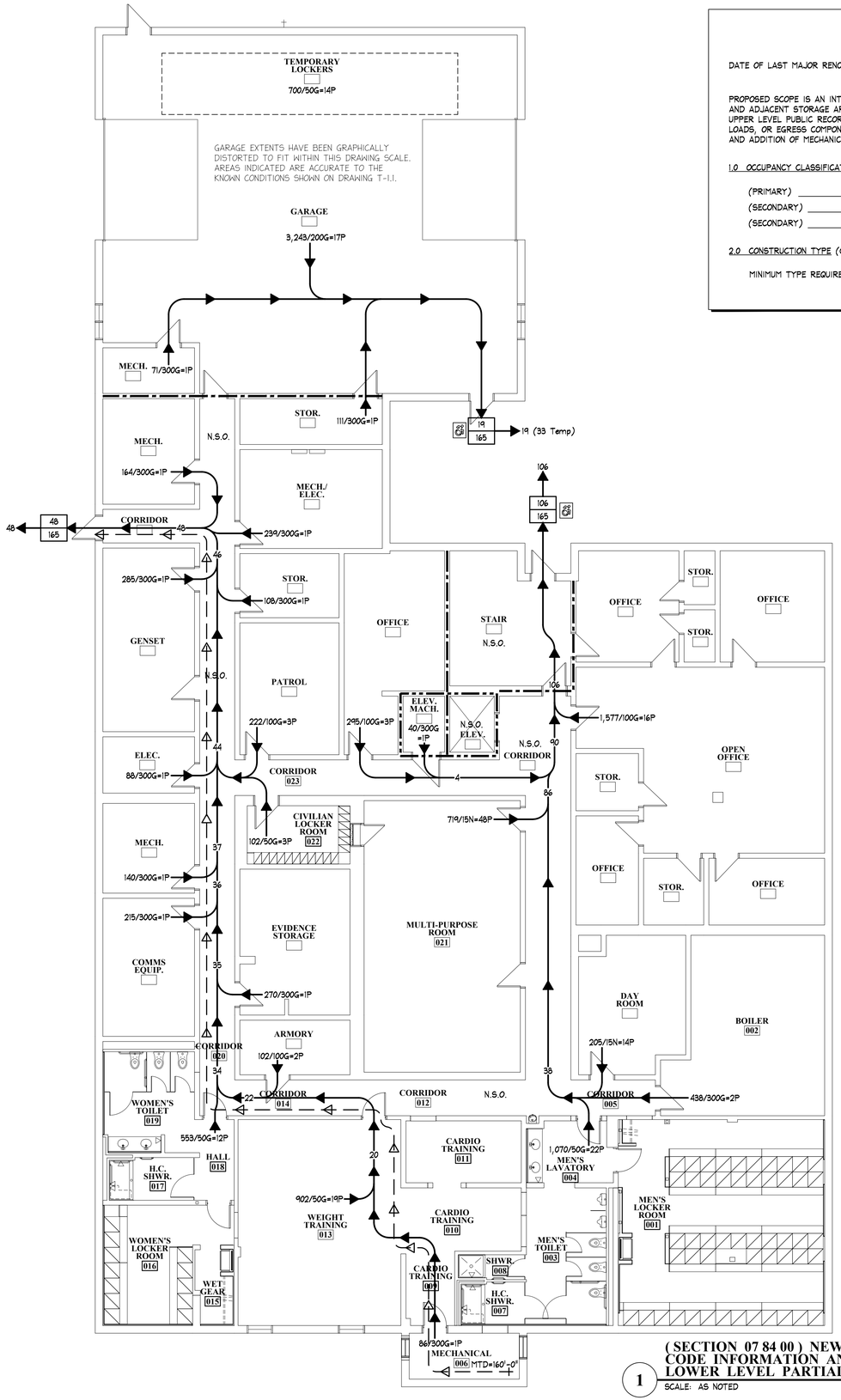

1

(SECTION 07 84 00) NEW WORK
CODE INFORMATION AND FIRE PROTECTIVE
LOWER LEVEL PARTIAL FLOOR PLAN

SCALE: AS NOTED

BUILDING CODE INFORMATION

DATE OF LAST MAJOR RENOVATION & ADDITION: +/-1992

PROPOSED SCOPE IS AN INTERIOR RENOVATION OF A LOCKER ROOM, PHYSICAL TRAINING ROOM, AND ADJACENT STORAGE AREAS. NO EGRESS CORRIDORS HAVE BEEN RECONFIGURED. PROPOSED UPPER LEVEL PUBLIC RECORDS RENOVATION DOES NOT CHANGE THE USE GROUP, OCCUPANCY LOADS, OR EGRESS COMPONENTS. EXTERIOR IS A MASONRY AND JOINT PROTECTION RESTORATION AND ADDITION OF MECHANICAL UNIT AND GRADE PAD. NO ADDED SQUARE FOOTAGE.

1.0 OCCUPANCY CLASSIFICATION (CHAPTER 3):

(PRIMARY)	B - BUSINESS
(SECONDARY)	S-2 - LOW-HAZARD STORAGE
(SECONDARY)	I-3 - INSTITUTIONAL

2.0 CONSTRUCTION TYPE (CHAPTER 6, SECTION 602.5):

MINIMUM TYPE REQUIRED: II B - NONCOMBUSTIBLE

3.0 FIRE RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601):

CONSTRUCTION TYPE - II B

1) STRUCTURAL FRAME	0	Hr(s)
2) BEARING WALLS - EXTERIOR	0	Hr(s)
- INTERIOR	0	Hr(s)
3) NONBEARING WALLS AND PARTITIONS - EXTERIOR	0 Hr(s)	Table 602
4) NONBEARING WALLS AND PARTITIONS - INTERIOR	0	Hr(s)
5) FLOOR CONSTRUCTION	0	Hr(s)
6) ROOF CONSTRUCTION	0	Hr(s)

4.0 MODIFICATIONS: NONE

5.0 ACCESSIBLE BUILDING: ☑ DESIGNATED ☐ NON-DESIGNATED

6.0 SPRINKLER PROTECTION: ☑ THROUGHOUT ENTIRE BUILDING ☐ LIMITED AREA

GOVERNING BUILDING CODES:

INTERNATIONAL EXISTING BUILDING CODE	2015##
INTERNATIONAL PLUMBING CODE	2015##
INTERNATIONAL MECHANICAL CODE	2015##
INTERNATIONAL ENERGY CONSERVATION CODE	2015##
NATIONAL ELECTRICAL CODE (NFPA 70)	2017
CONNECTICUT STATE FIRE SAFETY CODE	2018
LIFE SAFETY CODE (NFPA 101)	2012
NATIONAL FUEL GAS CODE (NFPA 54)	2018
OSHA-TITLE 29/LABOR	LATEST
SECTION 504	1973
AMERICANS WITH DISABILITY ACT (ADA)	2010
HANDICAPPED ACCESSIBILITY (ICC ANSI A117.1)	2009
STATE HEALTH CODE	LATEST

##: INCLUSIVE OF 2018 CONNECTICUT AMENDMENTS

CODE REFERENCE PLAN LEGEND

875/20N = 43P — ROOM OCCUPANCY LOAD; AREA IN S.F./OCC. LOAD FACTOR = OCC. LOAD

30 / 165 — EXIT CAPACITY; ACTUAL EGRESS OCCUPANCY; MAXIMUM ALLOWABLE EGRESS OCCUPANCY

—123→ — DIRECTION OF TRAVEL WITH ACCUMULATED OCCUPANCY LOAD

MTD=123'-4" — MAXIMUM TRAVEL DISTANCE (MTD) FROM FARTHEST POINT

N.S.O. — NON SIMULTANEOUS OCCUPANCY

HANDICAP ACCESSIBLE EXIT

1 HOUR FIRE BARRIER AS DEFINED BY BUILDING CODE

2 HOUR FIRE BARRIER AS DEFINED BY BUILDING CODE

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CODE INFORMATION AND FIRE PROTECTIVE COMPONENTS FLOOR PLAN

PROJ. NO. JH2020
SCALE As Noted
DATE JUNE 1, 2021
DRAWING NO. R-1.1

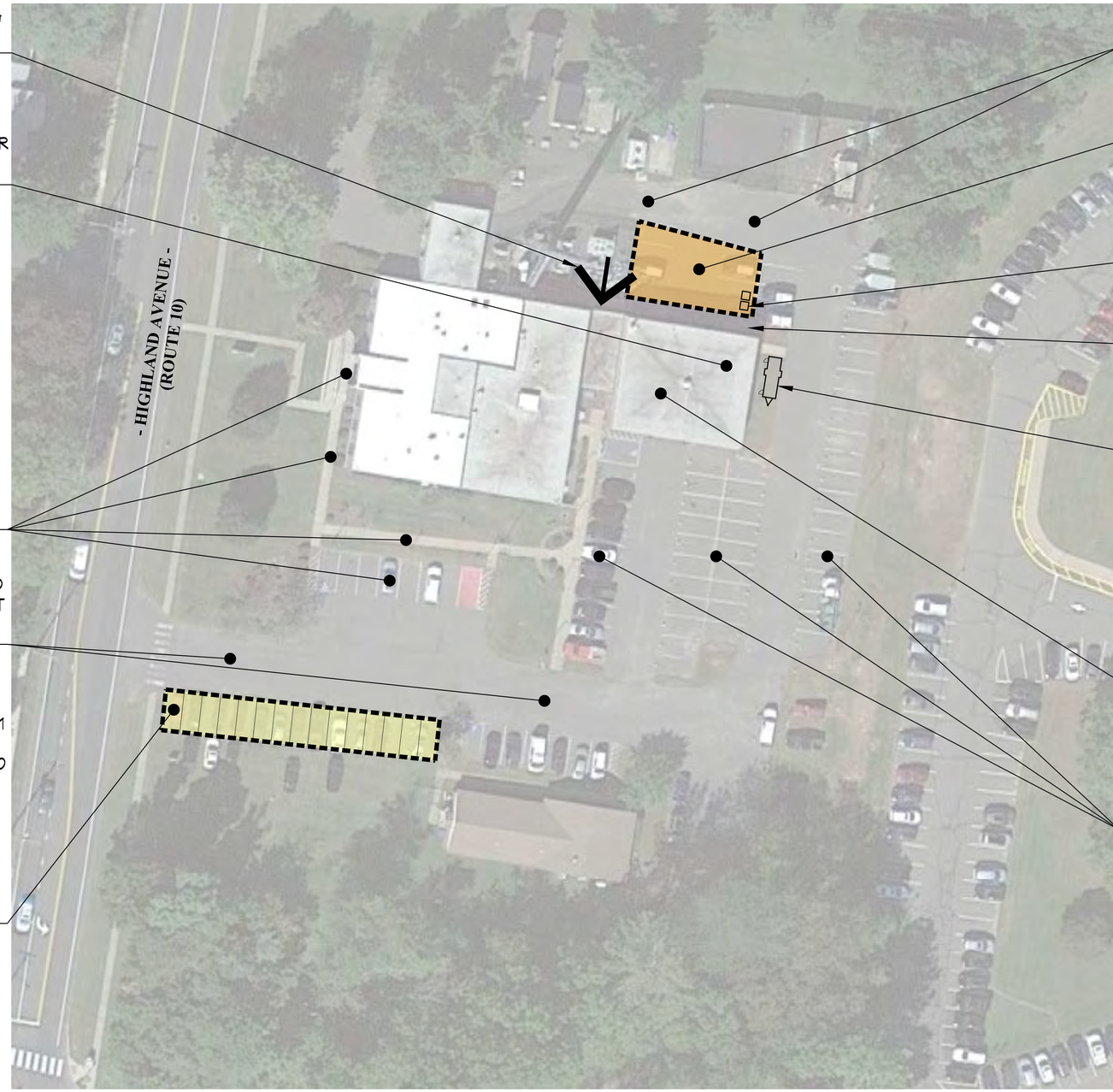
CONTRACTOR'S BUILDING ENTRANCE. ENSURE THIS ENTRANCE REMAINS UNOBSTRUCTED FOR BUILDING OCCUPANT EMERGENCY EGRESS.

TEMPORARY OWNER'S LOCKER ROOM LOCATION PER TEMPORARY FACILITIES LOWER LEVEL PLAN ON DRAWING (T-1.1)

PUBLIC PARKING AREA AND ENTRANCE TO REMAIN. CONTRACTOR IS NOT PERMITTED TO PARK OR STORE MATERIALS WITHIN THIS AREA.

ACCESS DRIVEWAY IS REQUIRED TO REMAIN UNOBSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

CONTRACTOR VEHICLE PARKING AREA CONSISTING OF MAXIMUM 15 SPACES. PARKING SHALL BE UPON GRASS SHOULDER TO PERMIT TWO-LANE VEHICULAR ACCESS ALONG ACCESS DRIVEWAY. FINAL GRADE, LOAM, SEED, AND FERTILIZE FOLLOWING COMPLETION OF PARKING NEED. PROVIDE WATERING THROUGH FIRST CUTTING.



SALLY PORT ACCESS DRIVEWAY IS REQUIRED TO REMAIN UNOBSTRUCTED AT ALL TIMES DURING THE CONSTRUCTION PERIOD.

CONTRACTOR LAY-DOWN AND STORAGE AREA. PROVIDE FENCED ENCLOSURE WITH PRIVACY SCREENING DURING CONSTRUCTION. BROOM CLEAN FOLLOWING REMOVAL OF ALL CONTRACTOR ITEMS AND FENCING.

LOCATE CONTRACTOR'S TEMPORARY TOILET FACILITIES WITHIN LAY-DOWN AND STORAGE AREA FOR DURATION OF CONSTRUCTION.

MAINTAIN ACCESS BETWEEN BUILDING AND CONTRACTOR LAY-DOWN AND STORAGE AREAS FOR EMERGENCY EGRESS ACCESS TO PARKING AREA.

LOCATION OF OWNER'S TEMPORARY TOILET AND SHOWER TRAILER FACILITIES DURING CONSTRUCTION AS SPECIFIED. DO NOT BLOCK THE SIDEWALK. CONTRACTOR TO PROVIDE TEMPORARY WALKWAY COVERING OF GRASS SURFACES FROM SIDEWALK TO TRAILER STALL STAIRS. CONTRACTOR TO PROVIDE TEMPORARY WEATHER SHELTERING BETWEEN THE GARAGE ENTRANCE DOOR AND BOTH TRAILER STALL DOORS.

TEMPORARY OWNER'S PHYSICAL AND CARDIO TRAINING ROOM LOCATION PER "TEMPORARY FACILITIES LOWER LEVEL PLAN" (DRAWING T-1.1), "PHYSICAL TRAINING EQUIPMENT MOVEMENT PLAN" (DRAWING T-1.2), AND AS SPECIFIED.

OFFICIAL POLICE PARKING AREA TO REMAIN. CONTRACTOR IS NOT PERMITTED TO PARK OR STORE MATERIALS WITHIN THIS AREA.

NOTE: CONTRACTOR IS RESPONSIBLE TO FULLY COORDINATE ALL ACCESS PATHS AND PLANNED ACTIVITIES BETWEEN WORK, TOILET, STORAGE, AND LAY-DOWN AREAS, ON A DAILY BASIS, WITH POLICE ADMINISTRATION. NO MATERIALS ARE PERMITTED TO BE STORED OUTSIDE OF EXTENTS INDICATED HEREIN WITHOUT PRIOR DIRECT PERMISSION FROM THE POLICE ADMINISTRATION.

0 15' 30' 60'
SCALE: 1" = 30'

1 OVERALL CONTRACTOR SITE LOGISTICS PLAN
SCALE: 1" = 30'

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OVERALL CONTRACTOR SITE LOGISTICS PLAN

PROJ. NO.	DRAWING NO.
JH2020	SLP-1
SCALE: As Noted	
DATE: JUNE 1, 2021	

CONTRACTOR TO PROVIDE TEMPORARY WALK SURFACE OVER GRASS AREA AND WEATHER ENCLOSURE (WITH WALL CLOSURES) BETWEEN BUILDING ENTRANCE DOOR AND BOTH TOILET/SHOWER STALL ENTRANCES. MAINTAIN ENCLOSURE FOR DURATION OF CONSTRUCTION PROCEEDINGS. CONTRACTOR TO COORDINATE ENCLOSURE REQUIREMENTS WITH BUILDING INSPECTOR AND FIRE MARSHAL.

APPROXIMATE LOCATION OF PLUMBING CONNECTION. PROVIDE NEW PERMANENT EXTERIOR HOSE BIB INSTALLATION FROM EXISTING WATER SOURCE PER PLUMBING DRAWINGS. PROVIDE TEMPORARY CONNECTION FROM NEW HOSE BIB TO TOILET/SHOWER TRAILER WITH CONTINUOUS HEAT TRACE TO PREVENT FREEZING. REFERENCE SPECIFICATIONS AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE ALL PEDESTRIAN RATED CORD COVERS ACROSS THE TRAILER ACCESS AREA. TYPICAL.

SALVAGE AND RELOCATE QUANTITY OF 69 MALE LOCKERS TO LOCATIONS SHOWN. PROVIDE TEMPORARY WOOD STANDS, AS DETAILED, BENEATH ALL LOCKERS. LOCKERS AND STANDS ARE TO BE REMOVED AND DISPOSED OF FOLLOWING SUBSTANTIAL COMPLETION OF LOCKER ROOM FACILITIES. TYPICAL.

APPROXIMATE LOCATION OF TEMPORARY ELECTRICAL CONNECTION FROM EXISTING LOAD CENTER TO TOILET/SHOWER TRAILER. REFERENCE SPECIFICATIONS AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. PROVIDE EXTERIOR RATED CORD COVER FROM BUILDING FACE TO TRAILER CONNECTION POINT. PROVIDE PATCHING OF EXISTING WALL SYSTEM FOLLOWING REMOVAL OF TEMPORARY INFRASTRUCTURE. TYPICAL.

EXISTING EXTERIOR HOSE BIB AND DCW TIE-IN SOURCE, VERIFY IN FIELD.

CONTRACTOR ENTRANCE SEE SITE LOGISTICS PLAN ON DRAWING SLP-1

LINE INDICATES CONTRACTOR PERSONNEL ACCESS PATH. COORDINATE ALL ACCESS WITH POLICE DEPARTMENT REPRESENTATIVE. PROVIDE CONTINUOUS PROTECTIVE COVERING ON ENTIRE CORRIDOR SURFACE FOR DURATION OF PROJECT. TYPICAL.

APPROXIMATE LOCATION OF EXISTING ASPHALT CURBING TO REMAIN. PROTECT, AS REQUIRED, DURING TRAILER INSTALLATION AND REMOVAL.

PROVIDE MOBILE TOILET/SHOWER TRAILER FACILITY WITHIN GRASS AREA AS SPECIFIED. PROVIDE SERVICING OF UNIT PER SPECIFICATIONS. REPAIR GRASS AREA FOLLOWING COMPLETION OF PROJECT.

SALVAGE AND RELOCATE QUANTITY OF 7 FEMALE LOCKERS TO LOCATIONS SHOWN. PROVIDE TEMPORARY WOOD STANDS BENEATH ALL LOCKERS AS DETAILED. TYPICAL.

WALL TYPE "WG-4", 8'-0" HEIGHT, FOR TEMPORARY PARTITIONS OF TWO (2) CHANGING ROOMS.

TWO (2) COAT HOOKS PER CHANGING ROOM

ONE (1) BENCH PER CHANGING ROOM

3'-0"x7'-0" HOLLOW METAL DOORS AND FRAMES WITH PRIVACY LOCKSETS AT EACH CHANGING ROOM.

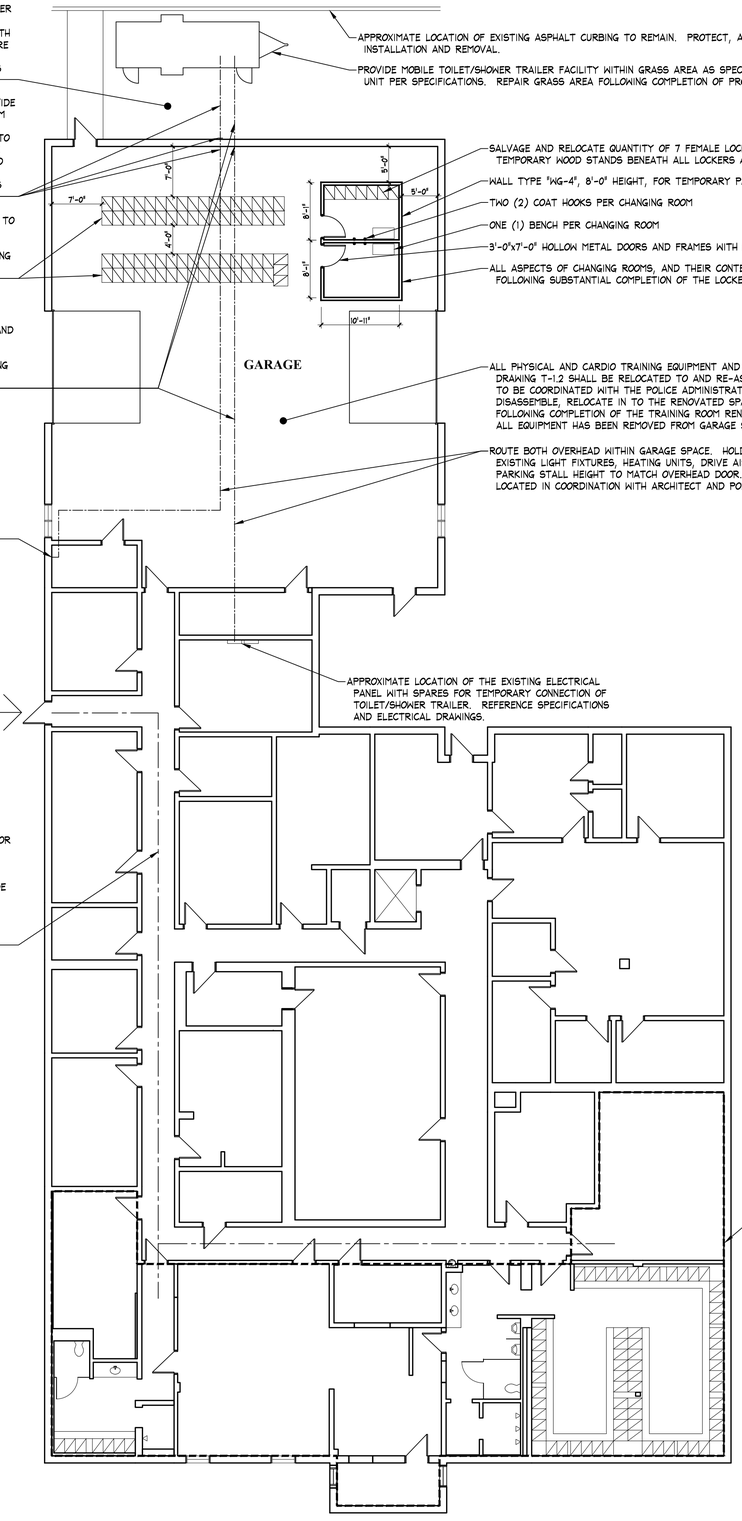
ALL ASPECTS OF CHANGING ROOMS, AND THEIR CONTENTS, ARE TO BE REMOVED AND DISPOSED OF FOLLOWING SUBSTANTIAL COMPLETION OF THE LOCKER ROOMS.

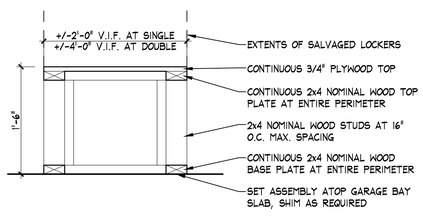
ALL PHYSICAL AND CARDIO TRAINING EQUIPMENT AND THE EXISTING FLOOR MATS IDENTIFIED ON DRAWING T-1.2 SHALL BE RELOCATED TO AND RE-ASSEMBLED WITHIN THIS GARAGE AREA. LAYOUT TO BE COORDINATED WITH THE POLICE ADMINISTRATION. CONTRACTOR SHALL BE RESPONSIBLE TO DISASSEMBLE, RELOCATE IN TO THE RENOVATED SPACE, AND RE-ASSEMBLE ALL EQUIPMENT FOLLOWING COMPLETION OF THE TRAINING ROOM RENOVATIONS. DISPOSE OF EXISTING MATS ONCE ALL EQUIPMENT HAS BEEN REMOVED FROM GARAGE SPACE. TYPICAL.

ROUTE BOTH OVERHEAD WITHIN GARAGE SPACE. HOLD AS HIGH AS POSSIBLE, DO NOT OBSTRUCT EXISTING LIGHT FIXTURES, HEATING UNITS, DRIVE AISLE HEIGHT TO MATCH OVERHEAD DOOR, AND PARKING STALL HEIGHT TO MATCH OVERHEAD DOOR. ALL DROPS AT EXTERIOR WALL ARE TO BE LOCATED IN COORDINATION WITH ARCHITECT AND POLICE REPRESENTATIVE.

APPROXIMATE LOCATION OF THE EXISTING ELECTRICAL PANEL WITH SPARES FOR TEMPORARY CONNECTION OF TOILET/SHOWER TRAILER. REFERENCE SPECIFICATIONS AND ELECTRICAL DRAWINGS.

OUTLINE INDICATES EXTENTS OF LOWER LEVEL SCOPE OF WORK AREA. REFERENCE SPECIFICATIONS AND BALANCE OF PLANS FOR REQUIREMENTS.





2 **TEMPORARY LOCKER STAND DETAIL**
SCALE: 1" = 1'-0"

0 5' 10' 20'
SCALE: 1" = 10'

1 **LOWER LEVEL TEMPORARY FACILITIES PLAN**
SCALE: 1" = 10'

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TEMPORARY FACILITIES LOWER LEVEL PLAN

PROJ. NO. JH2020	DRAWING NO. **T-1.1**
SCALE As Noted	
DATE JUNE 1, 2021	

01
(3'-0"x7'-0")

02
(3'-0"x7'-0")

03
(3'-0"x6'-0")

04
(2'-1"x4'-3")

05
(2'-1"x8'-0")

06
(1'-11"x4'-6")

07
(1'-10"x5'-2")

08
(2'-0"x4'-6")

09
(1'-10"x2'-5")

10
(2'-3"x4'-0")

11
(3'-5"x5'-2")

12
(3'-9"x5'-9")

13
(4'-6"x7'-6")

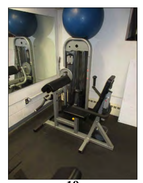
14
(2'-9"x3'-6")

15
(1'-6"x4'-6")

16
(2'-0"x5'-0")

17
(2'-0"x3'-3")

18
(3'-9"x6'-6")



19
(3'-10"x4'-6")

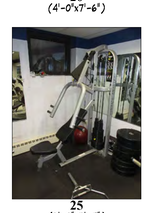
20
(4'-0"x7'-6")

21
(1'-4"x3'-6")

22
(1'-4"x3'-6")

23
(2'-0"x2'-0")

24
(5'-9"x6'-8")



25
(3'-9"x5'-7")

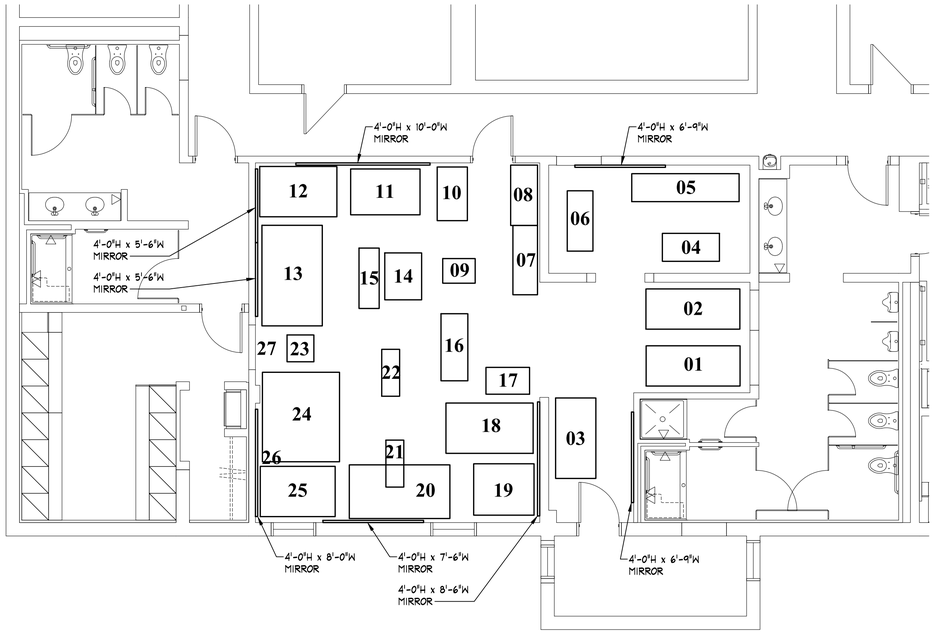
26
(VARIES)

27
(3'-9" WIDE)

NOTE:

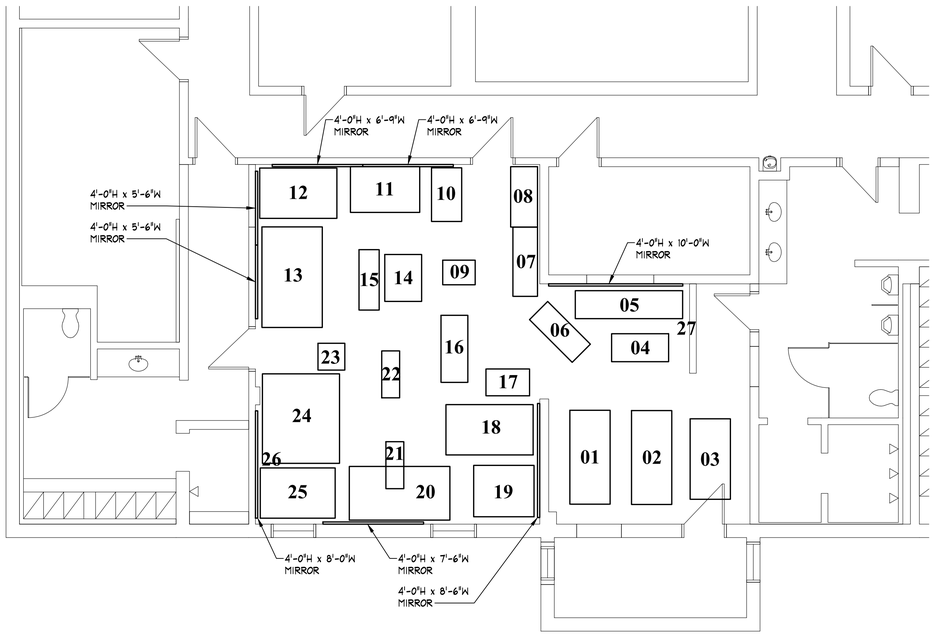
1. ALL DIMENSIONS INDICATED ARE THE APPROXIMATE FOOTPRINT OF THE UNIT. CONTRACTOR TO VERIFY EXACT DIMENSIONS IN FIELD.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DISASSEMBLY AND REASSEMBLY REQUIRED TO MOVE UNITS OUT OF THE SPACE, INTO THE GARAGE, SETUP IN GARAGE, OUT OF GARAGE, INTO RENOVATED SPACE, AND SETUP IN RENOVATED SPACE.
3. ALL UNITS SHOWN, INCLUDING ALL LOOSE WEIGHTS, LOOSE WEIGHT BAR SYSTEMS, AND RUBBER FLOOR MATS ARE TO BE SALVAGED AND MOVED, AS SPECIFIED, FOR THE DURATION OF THE CONSTRUCTION PROJECT. ALL SALVAGED ITEMS, EXCEPT THE RUBBER FLOOR MATS, ARE REQUIRED TO BE MOVED BACK INTO THE RENOVATED SPACE UPON PROJECT COMPLETION.
4. MIRRORS SHOWN TO BE RE-INSTALLED SHALL BE PROVIDED WITH NEW BASE CHANNEL AND CLIP ANCHORS. REINSTALL SUCH THAT THE TOP OF ALL SALVAGED MIRRORS ARE 6'-4" ABOVE THE FINISH FLOOR.

3 **PHYSICAL TRAINING EQUIPMENT LEGEND**
SCALE: NO SCALE



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

2 **LOWER LEVEL PHYSICAL TRAINING EQUIPMENT PROPOSED CONDITIONS PLAN**
SCALE: 3/16" = 1'-0"



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

1 **LOWER LEVEL PHYSICAL TRAINING EQUIPMENT EXISTING CONDITIONS PLAN**
SCALE: 3/16" = 1'-0"

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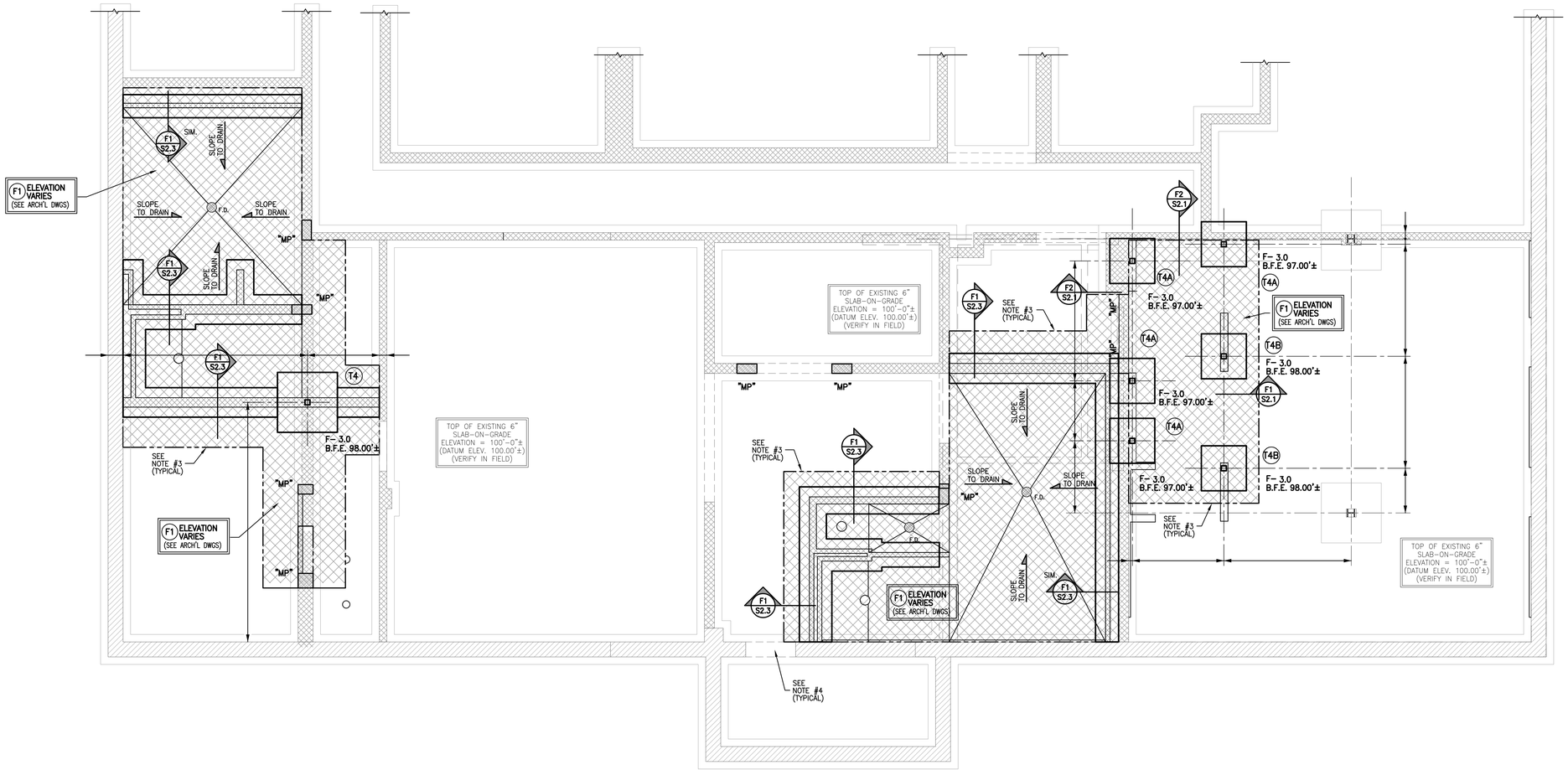
PHYSICAL TRAINING EQUIPMENT MOVEMENT PLAN

PROJ. NO.	DRAWING NO.
JH2020	T-1.2
SCALE: As Noted	
DATE: JUNE 1, 2021	



FOOTING SCHEDULE

DESIGNATION	SIZE – W X L X D	REINFORCING (EACH WAY–BOTTOM)
F–3.0	3'–0" X 3'–0" X 1'–4"	4–#6

PART FOUNDATION PLAN

SCALE: 1/4" = 1'–0"

NOTES:

1. G.C. SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, ETC. IN FIELD PRIOR TO PROCEEDING WITH NEW WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES FOR ANY FURTHER INSTRUCTIONS IF REQUIRED.
2. (F1) INDICATES NEW CONCRETE SLAB (MATCH EXISTING DEPTH) REINFORCED WITH 6X6–W2.9XW2.9 W.W.F.12" MINIMUM LAYER OF COMPACTED STRUCTURAL FILL.
3. SAWCUT AND REMOVE EXISTING CONCRETE SLAB AND FOUNDATION WALL AS REQUIRED TO INSTALL NEW STEEL COLUMNS, COLUMN FOOTINGS AND SLAB SYSTEMS (DO NOT "OVERCUT" EXISTING CONSTRUCTION TO REMAIN). REPLACE WITH NEW "F1" SLAB TO MATCH EXISTING. PROVIDE #4x2'–0" DOWELS AT 1'–0" O.C. – DRILL & GROUT SOLID MINIMUM 8" INTO MIDDLE OF EXISTING SLAB. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND EXTENT.
4. SAWCUT AND REMOVE EXISTING FOUNDATION WALL TO MINIMUM 8" BELOW FINISH FLOOR ELEVATION (DO NOT "OVERCUT" EXISTING CONSTRUCTION TO REMAIN). PROVIDE #4 x 2'–0" DOWELS AT 2'–0" O.C. – DRILL & GROUT SOLID MINIMUM 8" INTO MIDDLE OF EXISTING SLAB. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS AND EXTENT.
5. SAWCUT AND REMOVE EXISTING BUILDING CONSTRUCTION AS REQUIRED AT NEW WALL OPENINGS (DO NOT "OVERCUT" EXISTING CONSTRUCTION TO REMAIN). SHORE EXISTING BUILDING CONSTRUCTION TO REMAIN AS REQUIRED UNTIL NEW SUPPORT FRAMING SYSTEM IS IN PLACE AS NOTED (SEE LINTEL SCHEDULE AT MASONRY WALLS UNLESS OTHERWISE NOTED). SEE ARCHITECTURAL AND DEMOLITION DRAWINGS FOR ADDITIONAL REQUIREMENTS AND EXTENT. REPLACE ALL EXISTING CONSTRUCTION TO REMAIN TO MATCH EXISTING ADJACENT CONSTRUCTION – TYPICAL
6. (*) INDICATES SUPPORT COLUMN – SEE COLUMN SCHEDULE ON DRAWING S2.3.
7. "MP" INDICATES MASONRY BEARING PIER AT NEW LINTEL BEARING LOCATIONS. GROUT SOLID MINIMUM 8"x16"± MASONRY WALL/PIER, FULL HEIGHT, AT ALL LINTEL BEARING LOCATIONS.
8. SEE ARCHITECTURAL AND DEMOLITION DRAWINGS FOR ADDITIONAL REQUIREMENTS AND EXTENT OF WALL REMOVALS AND NEW CONSTRUCTION REQUIREMENTS.

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SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE *BID #2021-15*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
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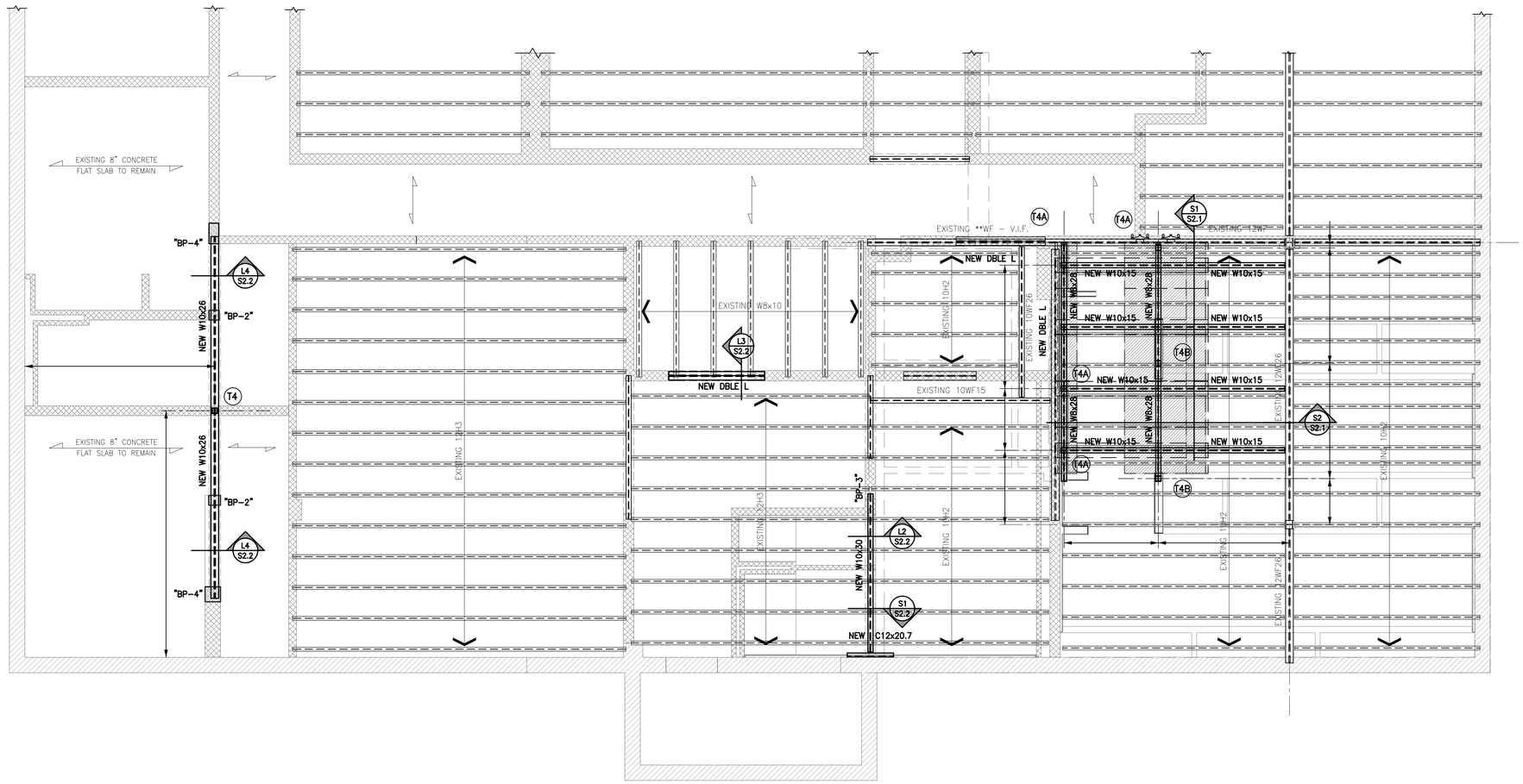
FAX 860-828-9223

PART FOUNDATION PLAN

PROJ. NO.	DRAWING NO.
JH2020	S-1.0
SCALE: AS NOTED	
DATE: JUNE 1, 2021	



PART EXISTING FLOOR FRAMING PLAN

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

NOTES:

1. G.C. SHALL VERIFY ALL EXISTING CONDITION, ELEVATIONS, DIMENSIONS, ETC., IN THE FIELD PRIOR TO PROCEEDING WITH ANY NEW WORK. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES FOR FURTHER INSTRUCTIONS IF REQUIRED.
2. TOP OF EXISTING FLOOR SLAB IS AT ELEVATION 110'-8"±, UNLESS OTHERWISE SHOWN THUS (+...) OR (-...) INDICATING DISTANCE ABOVE OR BELOW ELEVATION 110'-8"±. (ELEVATION 110'-8"± IS +10'-8"± ABOVE LOWER LEVEL FLOOR ELEVATION 100'-0"±.)
3. TOP OF NEW STEEL SHALL BE AT ELEVATION 10'-5"±, UNLESS OTHERWISE SHOWN THUS (+...) OR (-...) INDICATING DISTANCE ABOVE OR BELOW ELEVATION 10'-5"±.
4. (*) INDICATES SUPPORT COLUMN – SEE COLUMN SCHEDULE ON DRAWING S2.3.
5. SAWCUT AND REMOVE EXISTING BUILDING CONSTRUCTION AS REQUIRED AT NEW WALL OPENINGS (DO NOT "OVERCUT" EXISTING CONSTRUCTION TO REMAIN). SHORE EXISTING BUILDING CONSTRUCTION TO REMAIN AS REQUIRED UNTIL NEW SUPPORT FRAMING SYSTEM IS IN PLACE AS NOTED (SEE LINTEL SCHEDULE AT MASONRY WALLS UNLESS OTHERWISE NOTED). SEE ARCHITECTURAL AND DEMOLITION DRAWINGS FOR ADDITIONAL REQUIREMENTS AND EXTENT. REPLACE ALL EXISTING CONSTRUCTION TO REMAIN TO MATCH EXISTING ADJACENT CONSTRUCTION – TYPICAL

BEARING PLATE SCHEDULE

BEARING PLATE MARK	SIZE	REMARKS
BP-1	6"x1/2"x8"	
BP-2	7"x1/2"x7"	
BP-3	6"x5/8"x12"	
BP-4	7"x3/4"x14"	

NOTES:

1. PROVIDE BEARING PLATE AT ALL BEAMS BEARING ON MASONRY AND/OR CONCRETE WALLS. ALL BEARING PLATES SHALL BE "BP-1" UNLESS OTHERWISE NOTED.
2. PROVIDE POCKETS AS REQUIRED FOR ALL BEAMS BEARING ON WALLS. FILL ALL BEAM POCKETS SOLID TO MATCH ADJACENT CONSTRUCTION AFTER BEAM IS IN PLACE.
3. PROVIDE (2)-1/2"ø ANCHOR BOLTS AT EACH BEARING PLATE.
4. PROVIDE NON-SHRINK GROUT UNDER ALL BEARING PLATES AS REQUIRED.
5. GROUT SOLID MINIMUM 16" WIDE, FULL HEIGHT OF WALL DIRECTLY BELOW BEAM BEARING ON MASONRY WALLS.

PROGRESS DRAWING NOT FOR CONSTRUCTION

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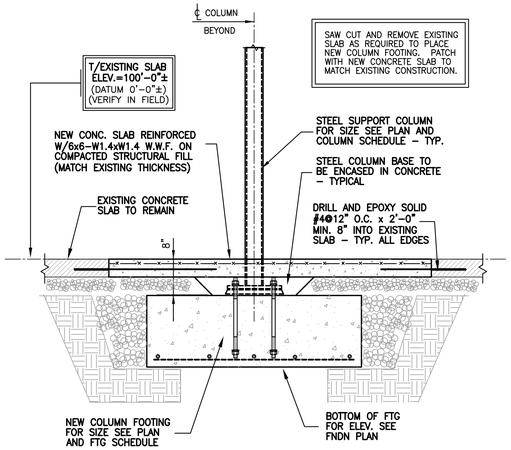
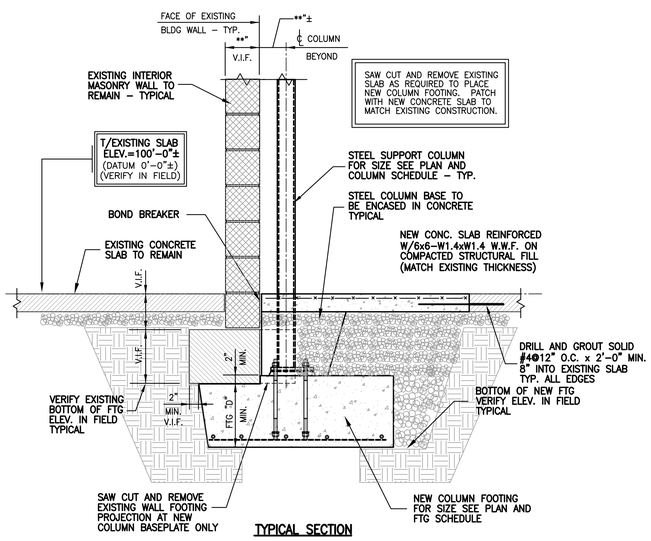
PART MAIN FLOOR FRAMING PLAN

PROJ. NO.	DRAWING NO.
JH2020	S-1.1
SCALE: AS NOTED	
DATE: JUNE 1, 2021	



NEW COLUMN FTG AT EXISTING BLDG (F1 / S-2.1)

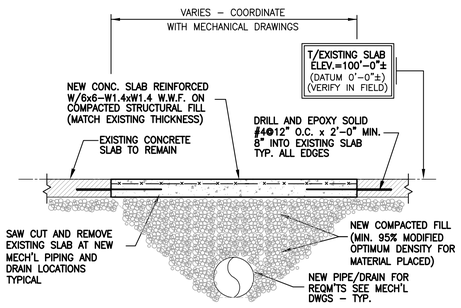
SCALE: 3/4" = 1'-0"



TYPICAL SECTION

NEW COLUMN FTG AT EXISTING BLDG (F2 / S-2.1)

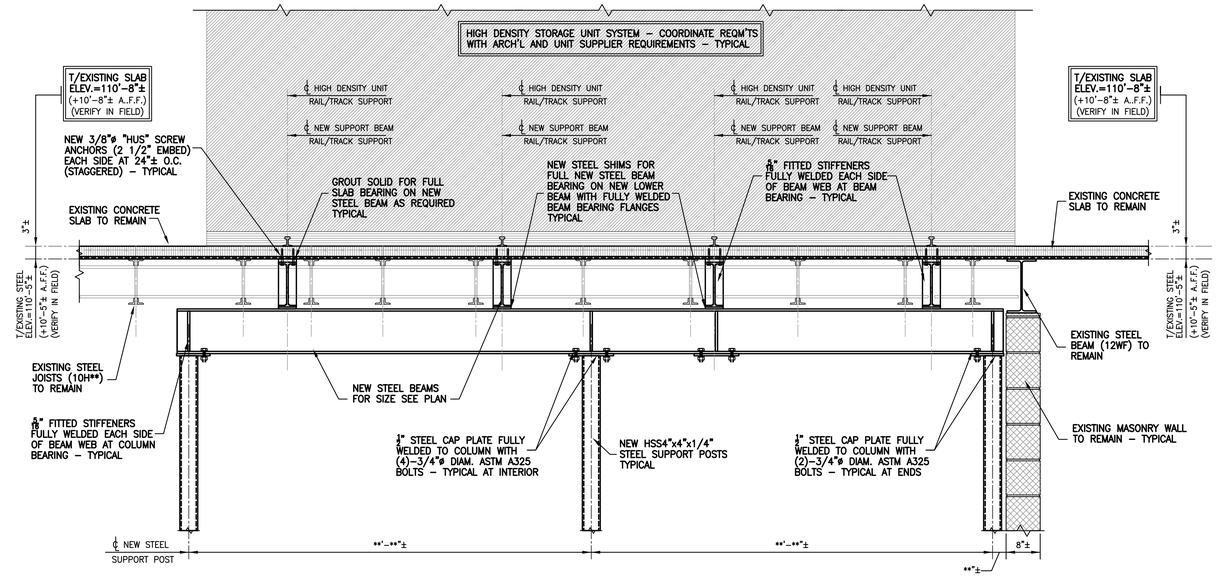
SCALE: 3/4" = 1'-0"



SLAB REMOVAL/REPLACEMENT AT NEW PIPES

TYPICAL SLAB DETAIL (F3 / S-2.1)

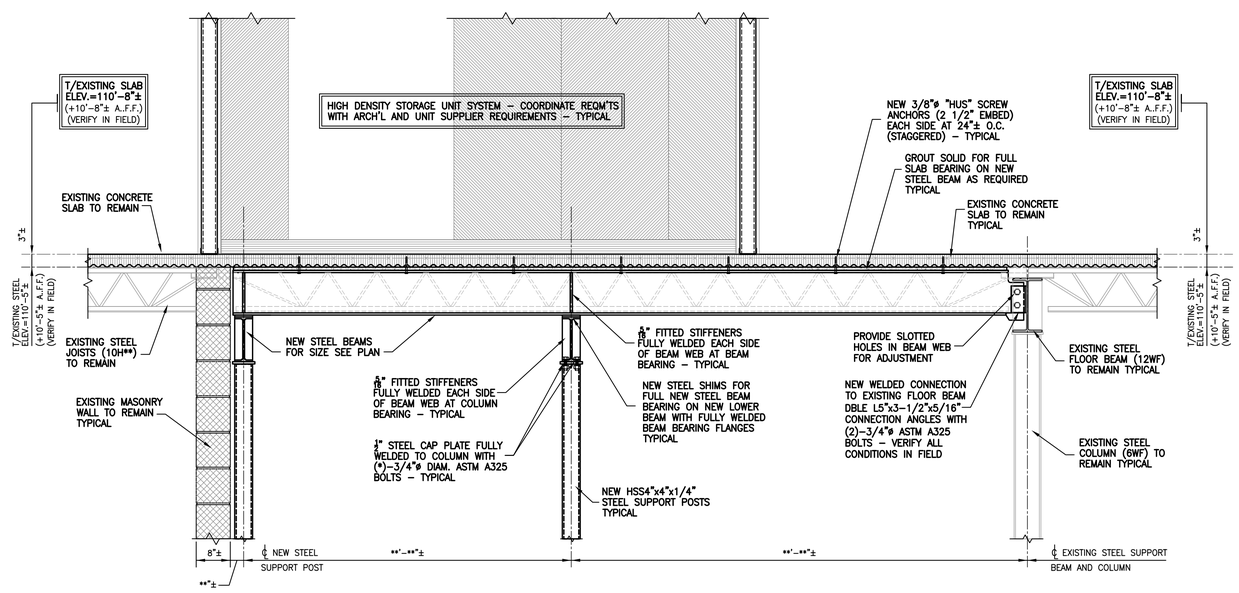
SCALE: 3/4" = 1'-0"



LONGITUDINAL SECTION THRU STORAGE UNIT

NEW HIGH DENSITY STORAGE UNIT SUPPORT ASSEMBLY (S1 / S-2.1)

SCALE: 3/8" = 1'-0"



TRANSVERSE SECTION THRU STORAGE UNIT

NEW HIGH DENSITY STORAGE UNIT SUPPORT ASSEMBLY (S2 / S-2.1)

SCALE: 3/8" = 1'-0"

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STRUCTURAL SECTIONS

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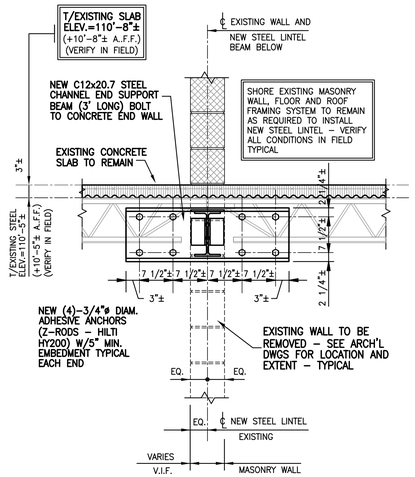
JH2020	S-2.1
SCALE: AS NOTED	
DATE: JUNE 1, 2021	

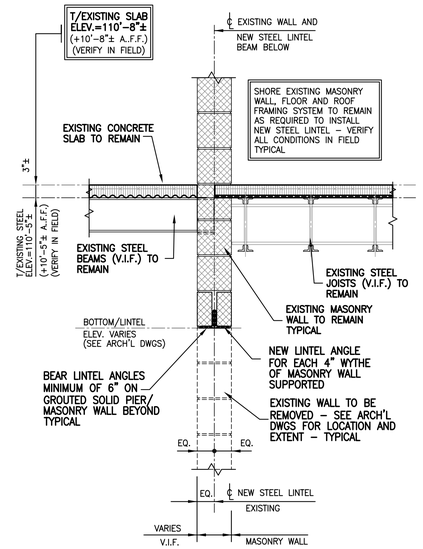


TYPICAL SECTION AT CONCRETE FNDN WALL

TYPICAL NEW SUPPORT BEAM

S1 / S2.2

SCALE: NONE

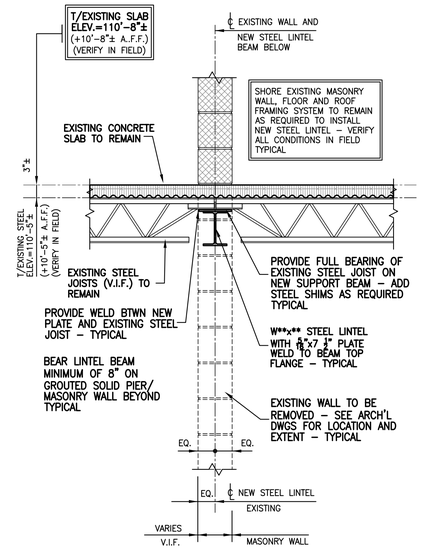


TYPICAL SECTION AT "LOWERED" LINTEL

NEW LINTEL DETAIL

L3 / S-2.2

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

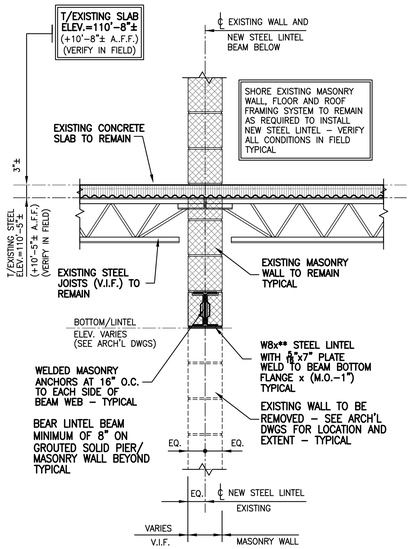


TYPICAL SECTION AT "RAISED" LINTEL

NEW LINTEL DETAIL

L2 / S-2.2

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

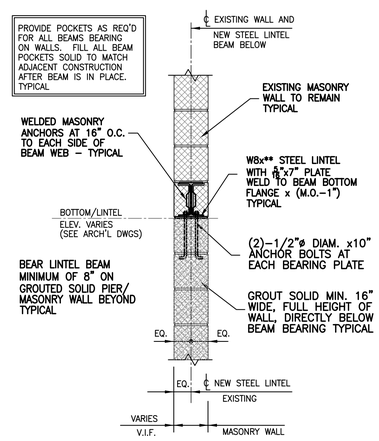


TYPICAL SECTION AT "LOWERED" LINTEL

NEW LINTEL DETAIL

L1 / S-2.2

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

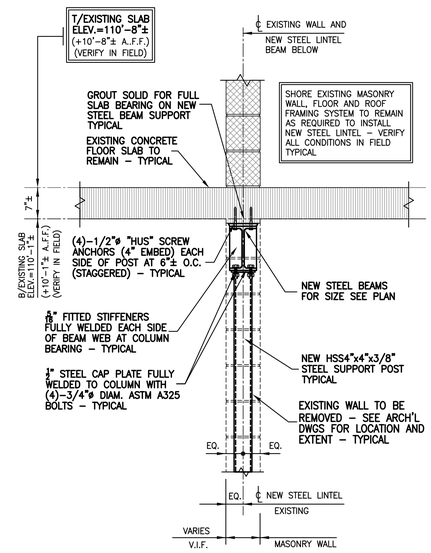


TYPICAL LINTEL BEARING ON MASONRY WALL

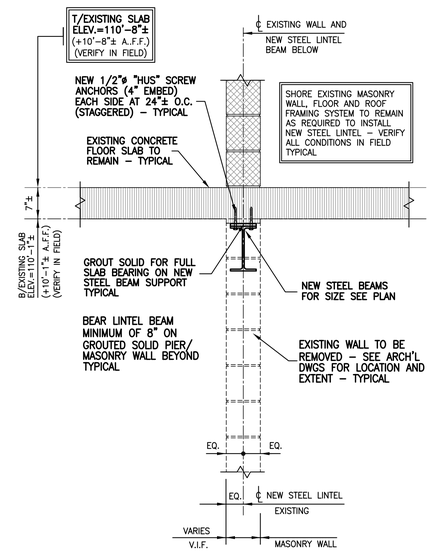
NEW LINTEL DETAIL

L5 / S-2.2

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



VARIATION AT INTERIOR SUPPORT COLUMN



TYPICAL SECTION AT "RAISED" LINTEL

NEW LINTEL DETAIL

L4 / S-2.2

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

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STRUCTURAL SECTIONS

PROJ. NO.	DRAWING NO.
JH2020	*S-2.2*
SCALE: AS NOTED	
DATE: JUNE 1, 2021	

STRUCTURAL GENERAL NOTES

A. GENERAL

1. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND DETAILS. ALSO, SEE SPECIFICATIONS.

2. THE STRUCTURE HAS BEEN DESIGNED TO BE SELF–SUPPORTING AND STABLE AFTER THE CONSTRUCTION OF THE BUILDING HAS BEEN COMPLETED. THE STABILITY OF THE STRUCTURE PRIOR TO TOTAL COMPLETION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. JOBSITE SAFETY AND CONSTRUCTION PROCEDURES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. LACK OF COMMENT BY THE ENGINEER IS NOT TO BE INTERPRETED AS APPROVAL OF THOSE ASPECTS OF WORK.

B. DESIGN AND LOADING

1. ALLOWABLE UNIT STRESSES AND DESIGN CRITERIA ARE IN ACCORDANCE WITH THE FOLLOWING:

   A) "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AC1 318
   B) SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL BUILDINGS" AISC.
   C) "STATE OF CONNECTICUT BASIC BUILDING CODE" LATEST EDITION (INTERNATIONAL BUILDING CODE 2018 + CT SUPPLEMENTS)

2. LIVE LOAD:

   A) FLOOR LIVE LOADS –HIGH DENSITY STORAGE 250psf
   –OFFICE AREAS 100psf
   –CORRIDORS 100psf
   –ASSEMBLY 100psf

3. ALLOWABLE PRESUMPTIVE SOIL BEARING PRESSURE: 1.5 TONS/SF

4. DESIGN STRESSES AND MATERIAL:

   A) CONCRETE (28–DAY STRENGTH, NORMAL WEIGHT) 3,000 PSI
   B) REINFORCING STEEL ASTM A–615 FY = 60 KSI
   C) WELDED–WIRE ASTM A–185 FY = 60 KSI
   D) STRUCTURAL STEEL ASTM A992
   E) STRUCTURAL STEEL PIPES ASTM A–53, GRADE B FY = 35 KSI
   F) STRUCTURAL STEEL TUBES ASTM A–500, GRADE B FY = 46 KSI
   G) WELDING ELECTRODES E–70XX
   H) HOLLOW CONCRETE MASONRY UNITS ASTM C90 GRADE N–1
   J) MORTAR ASTM C270 TYPE S

C. FOUNDATION

1. ALL FOUNDATION EXCAVATIONS SHALL BE TO REQUIRED ELEVATION OR UNDISTURBED SOIL. ALL FOUNDATIONS EXCAVATIONS SHALL BE TO SOUND GROUND.

2. STRUCTURAL FILL SHALL BE APPROVED STRUCTURAL GRAVEL COMPACTED IN 8" LAYERS TO 95% OF MODIFIED OPTIMUM DENSITY.

3. ALL FOUNDATION EXCAVATIONS AND STRUCTURAL FILL SHALL BE TESTED AND INSPECTED TO ENSURE THE ALLOWABLE SOIL BEARING PRESSURE AND DENSITY OF FOUNDATION BEARING MATERIALS.

D. CONCRETE WORK AND REINFORCING

1. POCKET WALLS WHERE NECESSARY FOR FLOOR FRAMING, BEAMS AND SLABS.

2. PROVIDE MINIMUM OF 2 INCHES COVER AROUND COLUMN BASE PLATES.5

3. REINFORCING TO BE LAPPED 48 BAR DIAMETERS AT ALL CORNERS, SPLICES, DOWELS, ETC.

4. PROVIDE TWO (2) #5 BARS ON ALL SIDES AND DIAGONALLY AT CORNERS OF OPENINGS THROUGH CONCRETE WALLS. BARS TO EXTEND 2'–0" BEYOND EDGE OF OPENING.

5. THE GENERAL CONTRACTOR SHALL COORDINATE ALL REQUIREMENTS, INCLUDING DIMENSIONS AND LOCATIONS, OF ALL OPENINGS, EMBEDDED ITEMS, ETC., FOR MECHANICAL AND ELECTRICAL TRADES.

6. AIR–ENTRAIN ALL EXPOSED CONCRETE.

7. PADS ARE REQUIRED FOR ALL FLOOR STANDING EQUIPMENT. COORDINATE SIZE AND LOCATION OF EQUIPMENT PADS WITH MECHANICAL, ELECTRICAL AND ARCHITECTURAL EQUIPMENT CONTRACTORS/SUPPLIERS.

8. COVER FOR REINFORCING:

   A) CONCRETE PLACED ON EARTH 3"
   B) FORMED CONCRETE EXPOSED TO GROUND OR WEATHER: 1–1/2"
   C) FORMED CONCRETE NOT EXPOSED TO GROUND OR WEATHER: 3/4"

E. STEEL

1. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "SPECIFICATIONS FOR THE DESIGN FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

2. FABRICATE AND ERECT ALL BEAMS WITH MILL CAMBER UP.

3. PROVIDE WEB STIFFENER PLATES FOR BEAMS CONTINUOUS OVER COLUMNS.

4. WHEREVER WELDING IS EMPLOYED, EITHER IN FABRICATION OR ERECTION ALL SUCH WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN COMPLETE ACCORD WITH THE "STRUCTURAL WELDING CODE – STEEL" OF THE AMERICAN WELDING CODE.

5. FURNISH LOOSE ANGLE LINTELS, UNLESS OTHER LINTELS ARE SPECIFIC–ALLY INDICATED, FOR ALL OPENINGS IN MASONRY WALLS FOR DOORS, WINDOWS, DUCTS, PASS–THROUGHS, ETC. FOR EACH FOUR (4) INCHES OF MASONRY, FURNISH ONE ANGLE AS FOLLOWS:

SPAN	LINTEL
UP TO 4'–6"	L3–1/2 X 3–1/2 X 5/16
4'–6" TO 5'–6"	L4 X 3–1/2 X 5/16
5'–6" TO 6'–6"	L5 X 3–1/2 X 5/16
6'–6" TO 7'–6"	L6 X 3–1/2 X 3/8

FOR SIX (6") INCH WALLS, USE TWO (2) ANGLES WITH 2–1/2–INCH LEGS OUTSTANDING. FOR FOUR (4") INCH WALLS, USE ST3 X 6.25. MINIMUM SIX (6") INCH LONG BEARING FOR ALL LINTELS.

6. PROVIDE SHOP COAT OF PAINT.

7. SUBMIT SHOP DRAWINGS, INCLUDING LINTEL SCHEDULE AND SHOP PAINT.

F. MASONRY CONSTRUCTION

1. ALL MASONRY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530–02/ASCE 5–02).

2. ALL MASONRY SHALL BE LAID IN RUNNING BOND.

3. MORTAR SHALL BE TYPE S CONFORMING TO ASTM C270.

4. GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM CEMENT CONTENT OF 7.0 SACKS OF PORTLAND CEMENT PER CUBIC YARD.

5. PROVIDE BOND BEAMS OR REINFORCED GROUTED UNITS WITH 2–#5 HORI–ZONTAL CONTINUOUS REINFORCEMENT IN ALL MASONRY WALLS AT:

   A) THE BOTTOM AND TOP OF WALL OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES NOR LESS THAN 40 BAR DIAMETER PAST THE OPENING

   B) STRUCTURALLY CONNECTED ROOF LEVELS AND AT THE TOP OF WALLS

   C) AT THE BOTTOM OF THE WALL OR IN THE TOP OF THE FOUNDATIONS WHEN DOWELED TO THE WALL.

   D) AT MAXIMUM SPACING OF 10 FEET UNLESS UNIFORMLY DISTRIBUTED JOINT REINFORCEMENT IS PROVIDED.

6. PROVIDE MINIMUM OF ONE #5 CONTINUOUS VERTICAL REINFORCEMENT IN ALL MASONRY WALLS AT:

   A) MINIMUM OF 48 INCHES ON CENTER UNLESS OTHERWISE NOTED

   B) ALL SIDES AND EDGES OF MASONRY OPENINGS AND SHALL EXTEND NOT LESS THAN 24 INCHES NOR LESS THAN 40 BAR DIAMETER PAST THE OPENING

F. MASONRY CONSTRUCTION (CONTINUED)

7. ALL MASONRY CELLS CONTAINING REINFORCING SHALL BE FILLED SOLID WITH GROUT. GROUT SHALL BE SAME TYPE AS MORTAR.

8. ALL VERTICAL MASONRY REINFORCEMENT SHALL BE DOWELED (12 INCHES) MINIMUM INTO SUPPORTING FOUNDATION WALL OR FOOTING, UNLESS OTHER–WISE NOTED.

9. REINFORCEMENT SHALL BE HELD IN PLACE USING POSITIONERS AT THE START, END AND SPLICES OF EACH BAR. PROVIDE ADDITIONAL SUPPORTS AT INTERVALS NOT GREATER THAN 192 BAR DIAMETERS OR 10'–0".

10. SPLICE REINFORCEMENT A MINIMUM LAP OF 48 BAR DIAMETERS OR 12 INCHES, WHICHEVER IS GREATER.

11. SINGLE WYTHE JOINT REINFORCEMENT TO BE TRUSS TYPE, 3/16" DIAMETER SIDE RODS WITH 9 GAGE CROSS TIES CONFORMING TO ASTM A82, PLACED HORIZONTALLY WITH A MAXIMUM VERTICAL SPACING OF 16 INCHES. WIRE REINFORCEMENT TO BE GALVANIZED.

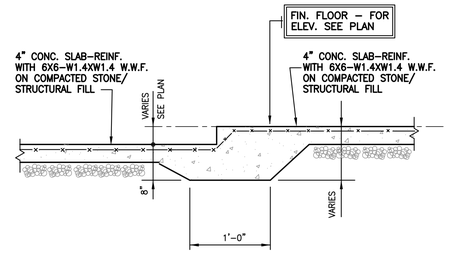
12. CONCRETE MASONRY UNITS SHALL BE OF SIZE AND SHAPE INDICATED ON PLANS. TYPICAL 8 INCH THICK UNIT SHALL BE 8X8X16 MODULAR WITH TWO CELLS AND SHALL HAVE A NET/GROSS AREA RATIO OF 53%.

13. DO NOT USE ADMIXTURES CONTAINING CHLORIDES, NITRITES OR NITRATES.

14. ALL HORIZONTAL BOND BEAM REINFORCEMENT SHALL BE CONTINUOUS AT MASONRY CONTROL JOINTS.

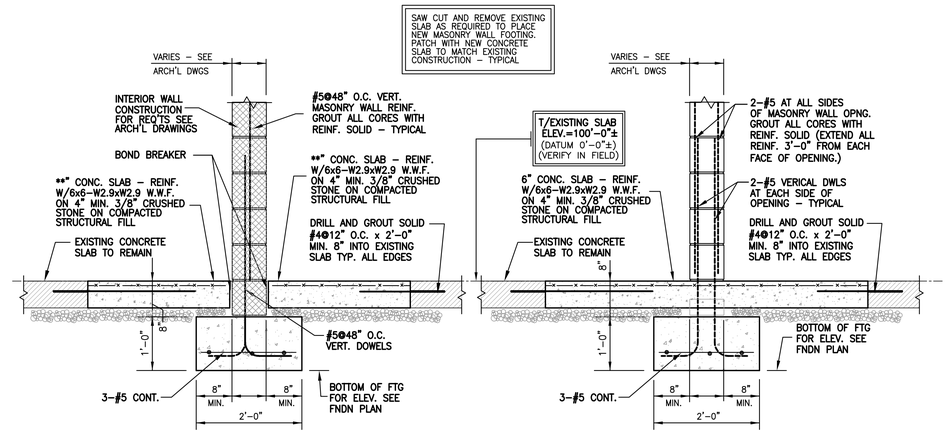
G. FIELD MEASUREMENTS

1. CONTRACTOR SHALL VERIFY IN THE FIELD ALL MEASUREMENTS, CONDI–TIONS AND ELEVATIONS NECESSARY FOR HIS WORK AND SHALL ASSUME RESPONSIBILITY FOR THEIR ACCURACY.



TYPICAL SLAB DEPRESSION DETAIL

SCALE: 3/4"=1'–0"



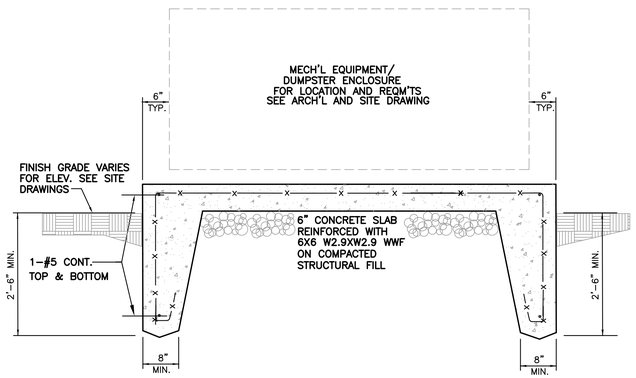
TYPICAL SECTION

SECTION AT OPENINGS

TYPICAL NEW MASONRY WALL FOOTING

F1 / S2.3

SCALE: 3/4" = 1'–0"



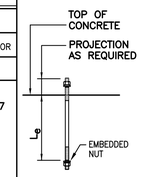
TYPICAL SUPPORT PAD DETAIL

F1 / S2.3

SCALE: NONE

ANCHOR ROD SCHEDULE

DIAMETER	L_e	L_h	REMARKS
3/4"ø	1'–2"	---	
3/4"ø	10"	---	ADHESIVE ANCHOR



NOTES:

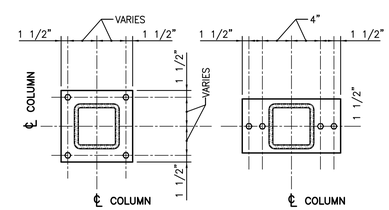
1. ALL ANCHOR BOLTS SHALL BE ASTM–A307 OR A–36 MATERIAL.
2. PROVIDE WASHERS AND NUTS FOR ALL BOLTS.
3. ALL BOLTS SHALL BE FREE OF SCALE, DIRT OR OIL.
4. PROVIDE MINIMUM 4" THREAD LENGTH.

COLUMN SCHEDULE

LEVEL \ COLUMN NO.	T4	T4A	T4B				
TOP/FLOOR STEEL ELEV.=110'–5"± (+10'–5"± A.F.F.)	**"	**"	**"				
10'–5"±	HSS4"x4"x0.250"	HSS4"x4"x0.250"	HSS4"x4"x0.250"				
TOP OF SLAB ELEV.=100'–0"±	**"	**"	**"				
CAP PLATE	5"x1/2"x12"	5"x1/2"x12"	OFFSET 5"x1/2"x8"				
BASE PLATE	10"x3/4"x10"	10"x3/4"x10"	10"x3/4"x10"				
BASE DETAIL	INTERIOR	INTERIOR	INTERIOR				

COLUMN SCHEDULE NOTES

1. AT EACH COLUMN PROVIDE A 1/4" THICK LEVELING PLATE (SAME SIZE AS BASE PLATE) ON MINIMUM OF 1" NON–SHRINK GROUT PAD & (4)–3/4"ø ANCHOR RODS WITH AN EMBEDDED HEAVY HEX NUT UNLESS SHOWN ** INDICATING ADHESIVE ANCHORS – SEE ANCHOR ROD SCHEDULE ON THIS DRAWING.
2. ALL DIMENSIONS SHOWN ARE GIVEN TO TOP OF CAP PLATES AND TO BOTTOM OF BASE PLATES.
3. WELD ALL HSS COLUMNS TO BASE PLATES WITH CONTINUOUS FULL PROFILE 1/4" FILLET WELD.



"INTERIOR COLUMN" "ALIGNED COLUMN"

SZEWCZAK ASSOCIATES
CONSULTING ENGINEERS
AVON PARK NORTH
200 FISHER DRIVE
AVON, CT 06001
860.677.4570
szewczakassociates.com

SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

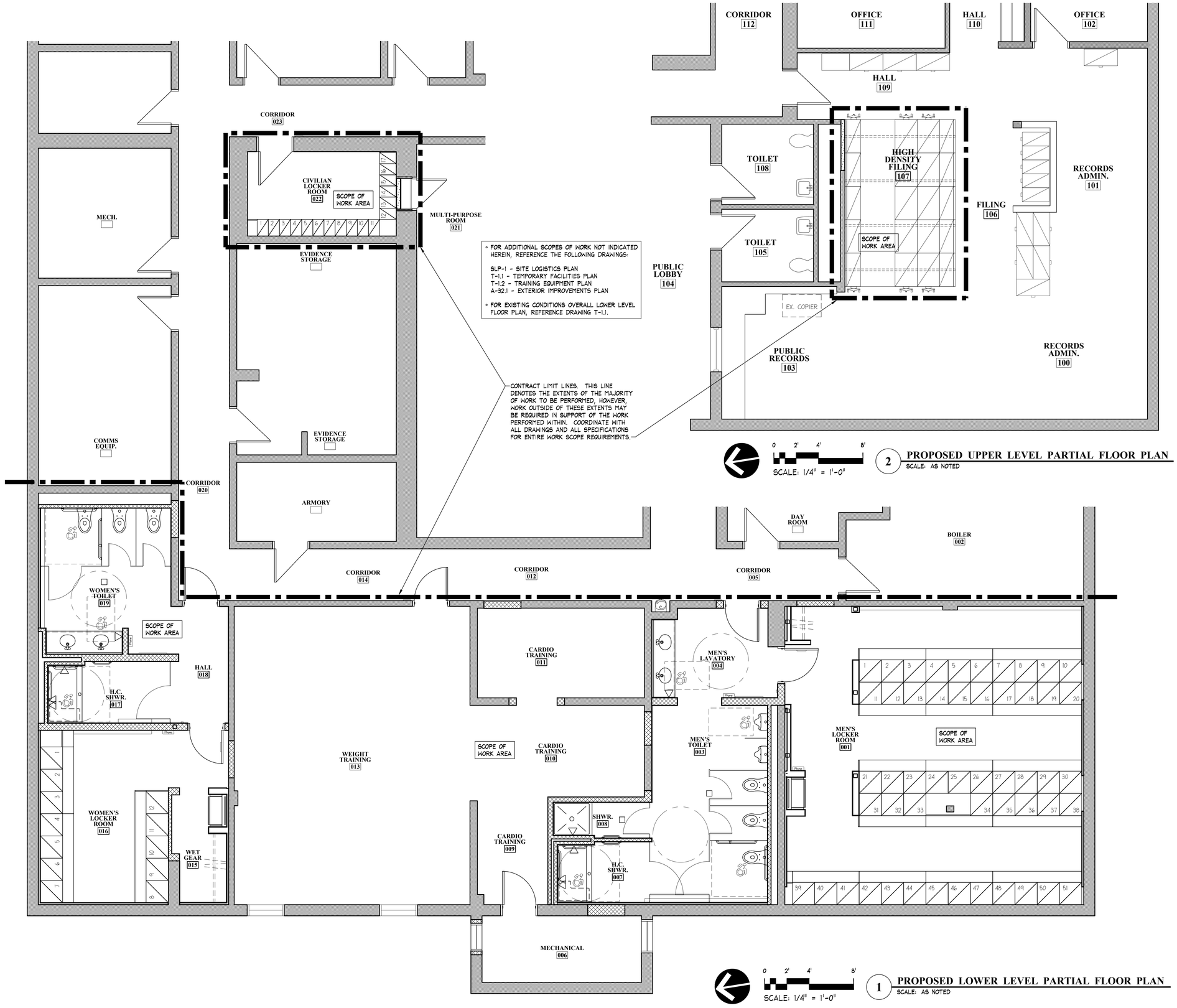
THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

JACUNSKI HUMES
ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

GENERAL NOTES SECTIONS AND COLUMN SCHEDULE

PROJ. NO.	DRAWING NO.
JH2020	S-3.0
SCALE: AS NOTED	
DATE: JUNE 1, 2021	



- FOR ADDITIONAL SCOPES OF WORK NOT INDICATED HEREIN, REFERENCE THE FOLLOWING DRAWINGS:

  SLP-1 - SITE LOGISTICS PLAN
  T-1.1 - TEMPORARY FACILITIES PLAN
  T-1.2 - TRAINING EQUIPMENT PLAN
  A-32.1 - EXTERIOR IMPROVEMENTS PLAN

- FOR EXISTING CONDITIONS OVERALL LOWER LEVEL FLOOR PLAN, REFERENCE DRAWING T-1.1.

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REFERENCE PROPOSED FLOOR PLANS

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SCALE: As Noted	
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ABBREVIATIONS

&	AND
@	AT
#	NUMBER
AB	ANCHOR BOLT
AC	ACOUSTIC, ACOUSTICAL
A/C	AIR COMPRESSOR
ACM	ALUMINUM COMPOSITE MATERIAL
ACT or ACT.	ACOUSTICAL TILE & GRID
ADA	AMERICANS WITH DISABILITIES ACT
ADD.	ADDENDUM
ADDN	ADDITION
ADJ.	ADJACENT
ADJT.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
A.F.I.S.	AUTOMATED FINGERPRINT IDENTIFICATION SYSTEM
AGG.	AGGREGATE
A.H.U.	AIR HANDLING UNIT
ALT.	ALTERNATE
ALUM.	ALUMINUM
ALF	ALUMINUM FRAME
ANCH.	ANCHOR, ANCHORAGE
ANOD.	ANODIZED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPR.	APPROXIMATELY
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT, ARCHITECTURAL
ASB.	ASBESTOS
ASPH.	ASPHALT
ASST.	ASSISTANT
ASSY	ASSEMBLY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AUTO	AUTOMATIC
BD.	BOARD
B.E.J.	BRICK EXPANSION JOINT
BET.	BETWEEN
BEV.	BEVEL, BEVELED
BIT.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM	BEAM
BOTT.	BOTTOM
B.O.	BOTTOM OF
BRG	BEARING
BSMT.	BASEMENT
B.U.R.	BUILT-UP ROOFING
B/W	BETWEEN
C	CHANNEL
CAB.	CABINET
CAP.	CAPACITY
C.BD.	CHALK BOARD
CEM.	CEMENT
CER.T.	CERAMIC TILE
C.G.	CORNER GUARD
C.H.	CEILING HEIGHT
CJ	CONTROL JOINT
CL.	CENTERLINE
CLG.	CEILING
CLG.HT.	CEILING HEIGHT
CLO.	CLOSET
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONF.	CONFERENCE
CON.JT.	CONSTRUCTION JOINT
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
COORD.	COORDINATE
CORR.	CORRIDOR
CRS.	COURSE, COURSES
C.T.	CERAMIC TILE
CTR.	CENTER
C.U.H.	CABINET UNIT HEATER
DBL.	DOUBLE
DEG.	DEGREE
DEMO.	DEMOLITION
DEPT.	DEPARTMENT
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
D/F	DOWN FLOW
D.F.S.	DOOR FLOOR STOP
D.H.	DOUBLE-HUNG
DIA	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
DIST.	DISTANCE
DMPFG.	DAMPROOFING
DN	DOWN
DR	DOOR
D.S.	DOWNSPOUT
DTL.	DETAIL
D/W	DISHWASHER
DWG	DRAWING
D.W.S.	DOOR WALL STOP
EA.	EACH
EGAP	EMERGENCY GENERATOR ANNUNCIATOR PANEL
E.I.F.S.	EXTERIOR INSULATIVE FINISH SYSTEM
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRIC, ELECTRICAL
ELEV.	ELEVATION
ELEV.	ELEVATOR (AS OCCURS)
EMER.	EMERGENCY
EMERG.	EMERGENCY
EMT	ELECTRICAL METAL TUBING
ENC.	ENCLOSE, ENCLOSURE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EPS	EXPANDED POLYSTYRENE
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.T.R.	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
EXIST.	EXISTING
EXP.	EXPANSION
EXP.JT.	EXPANSION JOINT
EXT.	EXTERIOR
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
F.D.	FLOOR DRAIN
FDN	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER IN CABINET
F.G.	FIBERGLASS
FHM	FULL-HEIGHT MIRROR
FIN	FINISH, FINISHED
FIXT.	FIXTURE
FL.	FLOOR
FLASH	FLASHING
FLG.	FLASHING
FLOUR.	FLOURESCENT
FLR.	FLOOR
FLR. FIN.	FLOOR FINISH
FNDN.	FOUNDATION
FPRFG.	FIREPROOFING
FR	FIRE RETARDENT
F.R.G.P.	FIBER-REINFORCED GYPSUM PANELS
FT	FEET, FOOT
FTG.	FOOTING
FURN.	FURNISH, FURNISHED
FURR.	FURRED, FURRING
FUT.	FUTURE
GA.	GAGE, GAUGE
GALV.	GALVANIZED
G.B.	GRAB BAR
GC	GENERAL CONTRACTOR
G.F.C.I.	GROUND-FAULT CIRCUIT INTERUPTOR
GL.	GLAZING
GLAZ.	GLAZING
GR.	GRADE
GTC	GENERAL TRADES CONTRACTOR
GWB	GYPSUM WALLBOARD
GYP.BD.	GYPSUM WALLBOARD
H.	HIGH
H.B.	HOSE BIB
HBD.	HARDBOARD
H.C.	HANDICAPPED
H.D.G.	HOT-DIPPED GALVANIZED
HDR.	HEADER
HDW.	HARDWARE
HDWD.	HARDWOOD
HGT	HEIGHT
H.M.	HOLLOW METAL
HMF or H.M.F.	HOLLOW METAL FRAME
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HR.	HOUR
H.R.	HANDRAIL
HT.	HEIGHT
HTG.	HEATING
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING
I.D.	INSIDE DIAMETER
IN.	INCH, INCHES
INCL.	INCLUDE, INCLUDING
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
INTOX.	INTOXILYZER
I.T. or IT	INTEGRATED TECHNOLOGY
JAN.	JANITOR
JT.	JOINT
K.F.E.	KITCHEN FIRE EXTINGUISHER
KIT.	KITCHEN
K.P.	KICK PLATE
L	ANGLE
L	LONG
LAB	LABORATORY
LAM.	LAMINATE, LAMINATED
LAV.	LAVATORY
LB.	POUND
LBS.	POUNDS
LD	LADDER
L.H.	LEFT HAND
LIN.	LINEAR
LKR.	LOCKER, LOCKERS
LKRS.	LOCKER, LOCKERS
L.O.	LINE OF
L.P.	LOW POINT
LT.	LIGHT
LTG.	LIGHTING
LT.WT.	LIGHT WEIGHT
LVR	LOUVER
MACH.	MACHINE
MAINT.	MAINTENANCE
MANUF.	MANUFACTURED
MAS.	MASONRY
MAT.	MATERIAL
MATL.	MATERIAL
MAX.	MAXIMUM
M.BD.	MARKER BOARD
MDP	MAIN ELECTRICAL DISTRIBUTION PANEL
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MET.	METAL
MEZZ.	MEZZANINE
MFR.	MANUFACTURER
MIN.	MINIMUM
MIN.	MINUTE
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MOV.	MOVEABLE
MTD.	MOUNTED
M.TH.	MARBLE THRESHOLD
MTL.	METAL
MULL.	MULLION
MW	MICROWAVE OVEN
MWF.	MIRROR WITH STAINLESS STEEL FRAME
N	NORTH
N/A	NOT APPLICABLE
NAT.	NATURAL
N.I.C.	NOT IN CONTRACT
N.I.S.	NOT IN SCOPE
NO.	NUMBER
NOM.	NOMINAL
N.S.O.	NON-SIMULTANEOUS OCCUPANCY
N.T.S.	NOT TO SCALE
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
OFF.	OFFICE
O.H.	OPPOSITE HAND
OPG.	OPENING
OPP.	OPPOSITE
OSB	ORIENTED STRAND BOARD
PASS.	PASSAGE
P.BD.	PARTICLE BOARD
PC	PRECAST
P.C.	PIPE COVERS (ADA COMPLIANT)
P.E.J.	PRECAST EXPANSION JOINT
PERF.	PERFORATE, PERFORATED
PERP.	PERPENDICULAR
PL.	PLATE
P.L.	PROPERTY LINE
PLAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLBG.	PLUMBING
PLUMB.	PLUMBING
PLYWD	PLYWOOD
PNL.	PANEL
POLY	POLYETHYLENE
PR.	PAIR
PREFAB	PREFABRICATED
PT.	POINT
P.T.	PRESSURE TREATED
PTD.	PAINTED
P.T.D.	PAPER TOWEL DISPENSER
PTN.	PARTITION
PTR	PRINTER
PVC	POLYVINYL CHLORIDE
PWD	PLYWOOD
PWDR	POWDER
QTY.	QUANTITY
Q.T.	QUARRY TILE
R	RADIUS
R.	RISER
RAD.	RADIUS
RECP.	RECEPTACLE
RECT.	RECTANGLE
RECV.	RECEIVING
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCE, REINFORCING
RESIL.	RESILIENT
REQ.	REQUIRE, REQUIRED
REQD	REQUIRE, REQUIRED
REQMTS	REQUIREMENTS
RET.	RETURN
REV.	REVISED, REVISION
R.D.	ROOF DRAIN
R.H.	ROBE HOOK
RM.	ROOM
R.O.	ROUGH OPENING
R.O.W.	RIGHT OF WAY
R.S.	ROOM SIGNAGE
RWC	RAIN WATER CONDUCTOR
RWL	RAIN WATER LEADER
S.	SOUTH
S.B.	SPLASH BLOCK
S.C.	SOLID CORE
SC.	SCUPPER
SC	SHOWER CURTAIN
SCH	SHOWER CURTAIN HOOKS
SCHED.	SCHEDULE
SCR	SHOWER CURTAIN ROD
SEC.	SECOND
SECT.	SECTION
S.F.	SQUARE FEET
SHT	SHEET
SIM.	SIMILAR
S.J.	SEISMIC JOINT
SPEC.	SPECIFICATIONS
SPK.	SPEAKER
SQ.	SQUARE
SQ.FT.	SQUARE FEET
S.S.	STAINLESS STEEL
S.STL.	STRUCTURAL STEEL
STC or S.T.C.	SOUND TRANSMISSION CLASS
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRUCT.	STRUCTURAL
SUSP	SUSPEND, SUSPENSION
SVT	SOLID VINYL TILE
S.Y.	SQUARE YARD
SYS.	SYSTEM
T.	TREAD
T.BD.	TACKBOARD
TEL.	TELEPHONE
TEMP.	TEMPERED
THK.	THICKNESS
THRES.	THRESHOLD
THRU	THROUGH
T&G	TOUNGE AND GROOVE
T.O.	TOP OF
T.O.C.	TOP OF CURB
TOL.	TOLERANCE
T.O.P.	TOP OF PLATE
T.O.S.	TOP OF SLAB
T.O.ST.	TOP OF STEEL
T.O.W.	TOP OF WALL
TR.DR.	TRENCH DRAIN
TV.	TELEVISION
TYP.	TYPICAL
U/C REF.	UNDER-COUNTER REFRIGERATOR
U.D.	UNIT DIMENSION
U.H.	UNIT HEATER
UL.	UNDERWRITER'S LABORATORY INC.
UNF.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
U.V.	UNIT VENTILATOR
V.	VINYL
V.B.	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
VET	VINYL ENHANCED TILE
V.I.F.	VERIFY IN FIELD
VTR	VENT THROUGH ROOF
V.L.	VERTICAL RAIN LEADER
W.	WIDE, WIDTH
W/	WITH
W.BD.	WHITE BOARD
W.C.	WATER CLOSET
WD	WOOD
WDW	WINDOW
WIN.	WINDOW
WMP	WIRE MESH PARTITION
W/O	WITHOUT
WP.	WATERPROOFING
WR.	WATER RESISTANT
WS.	WEATHER STRIPPING
WT.	WEIGHT
W.T.W.	WALL TO WALL
W.W.F. or WWF	WELDED WIRE FABRIC
XPS	EXTRUDED POLYSTYRENE

WALL NOTES

1. FIRECODE GYPSUM BOARD IN A ONE OR TWO-HOUR RATED PARTITION MUST BEAR THE U.L. CLASSIFICATION.
2. ALL FIRE AND SMOKE RESISTANT SEPARATIONS ARE TO EXTEND TO THE UNDERSIDE OF FLOOR OR ROOF DECK ABOVE, TYPICAL.
3. FOR SMOKE RESISTANT SEPARATIONS PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE.
4. FOR ALL FIRE RATED PARTITIONS PROVIDE FIRE SAFING AND SEALANT AT FLOOR, ROOF DECK AND ALL PENETRATIONS TO PREVENT THE PASSAGE OF SMOKE AND FLAME. THE FIRE SAFING AND SEALANT SYSTEM MUST MAINTAIN THE RATING OF THE SEPARATION.
5. AT ALL NON-RATED PARTITIONS, FILL METAL DECK FLUTES WHERE PARTITIONS MEET THE STRUCTURE ABOVE WITH BATT. INSULATION.
6. AT ALL NON-RATED PARTITIONS, FILL ALL VOIDS BETWEEN PIPES, ELECTRICAL CONDUIT, DUCTWORK, ETC. WHERE THEY PENETRATE WALLS WITH BATT INSULATION.
7. PROVIDE SMOKE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH ONE HOUR FIRE RATED SMOKE BARRIERS.
8. PROVIDE FIRE DAMPERS AT ALL MECHANICAL PENETRATIONS THROUGH TWO HOUR FIRE RATED PARTITIONS.
9. EXTEND ALL METAL STUD PARTITIONS TO THE UNDERSIDE OF DECK/ STRUCTURE, UNLESS OTHERWISE NOTED.
10. ALL PARTITIONS, PART OF THE THERMAL ENVELOPE, SHALL BE FULLY AIR SEALED WITH SEALANT TO MITIGATE THE TRANSFERENCE OF AIR. THIS SHALL INCLUDE ALL SILL/SOLE PLATES, TOP PLATES, DISSIMILAR MATERIAL TRANSITIONS, PENETRATIONS, JOINTS, AND SHEATHING PERIMETERS. IN AREAS OF RATED PARTITIONS, SEALANT SHALL BE OF SUFFICIENT GRADE TO COMPLY WITH FIRE RATING REQUIREMENTS. TYPICAL.
11. CONTRACTOR IS TO PERMANENTLY INDICATE LOCATIONS OF RATED WALLS, AS SHOWN ON CODE PLANS, BY PAINTING STENCILS ON SAID WALLS, ABOVE CEILING, AS DETAILED.
12. CONTRACTOR IS TO PROVIDE HANDICAP RESTROOM SIGNAGE AT ALL RESTROOM ENTRANCE DOORS AS DETAILED.

GENERAL NOTES

1. NOTES CONTAINED HEREIN ARE NOT INTENDED TO REPLACE SPECIFICATIONS. REFERENCE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THESE GENERAL NOTES.
2. CONTRACTOR TO TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB AND SHALL BE HELD RESPONSIBLE FOR THE SAME.
3. ALL NOTES AND DIMENSIONS DESIGNATED AS TYPICAL APPLY TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT.
4. ALL DIMENSIONS ARE TO FACE OF FOUNDATION AT EXTERIOR, FACE MASONRY, FACE OF METAL STUD AND CENTERLINE OF STRUCTURAL STEEL COLUMNS UNLESS OTHERWISE NOTED.
5. FOR MASONRY REINFORCEMENT SEE SPECIFICATIONS AND STRUCTURAL DRAWINGS.
6. ALL DOOR FRAME EDGES SHALL BE LOCATED 4" FROM WALL INTERSECTIONS UNLESS OTHERWISE NOTED.
7. SEE STRUCTURAL DRAWINGS AND FINISH PLANS FOR POSSIBLE LOCATIONS OF DEPRESSED STRUCTURAL CONCRETE SLABS.
8. THE REQUIREMENTS FOR SEISMIC LOADS HAVE BEEN INCORPORATED INTO THE DESIGN OF THE STRUCTURAL, MECHANICAL AND SUSPENDED CEILING SYSTEMS AS REQUIRED FOR THE NEW CONSTRUCTION.
9. FOR EXTERIOR MASONRY CONTROL JOINTS REFER TO THE EXTERIOR ELEVATION SHEETS.
10. FOR INTERIOR MASONRY EXPANSION JOINTS AND CONTROL JOINTS, JOINTS SHALL BE PLACED AS IDENTIFIED BY THE SPECIFICATION, PREFERABLY AT THE JUNCTION OF WALLS FIRST AND THEN BY THE REQUIRED DISTANCES. PROVIDE A CONTROL JOINT AT ALL EDGES WHERE MASONRY ABUTS STRUCTURAL STEEL.
11. ELECTRICAL CONTRACTOR TO COORDINATE PLACEMENT OF ELEC./ DATA OUTLETS AND SWITCHES WITH THE LOCATION OF CASEWORK. REFER TO CASEWORK DRAWINGS AND ELECTRICAL DRAWINGS.
12. ALL SPRINKLER PIPING TO BE LOCATED ABOVE FINISH CEILING UNLESS OTHERWISE NOTED.
13. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF CEILING PADS.
14. EXPOSED SPRINKLER INSTALLATIONS SHALL BE CAREFULLY COORDINATED IN THE FIELD TO AVOID CONFLICTS WITH LIGHTING AND OTHER CEILING MOUNTED EQUIPMENT.
15. ALL RATED DOORS SHALL HAVE POSITIVE LATCHING LOCK SETS OR LATCH SETS AND CLOSERS.
16. ALL DOOR LEVERS ON DOORS LEADING TO HAZARDOUS SPACES SHALL BE KNURLED.
17. ALL DOORS EXITING 100 OR MORE PERSONS SHALL HAVE PANIC EXIT DEVICES.
18. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT OF METAL STUD SLIP TRACKS AT ALL STUD WALLS BUILT ON TOP OF OR UNDER STRUCTURAL STEEL BRACING FRAMES, TYPICAL.
19. PROVIDE AN ALUMINUM DIVIDER STRIP AT ALL DOOR THRESHOLDS WHERE TWO DIFFERENT FINISHES MEET UNLESS OTHERWISE NOTED.
20. METAL STUD CONTRACTOR TO PROVIDE AND COORDINATE PLACEMENT AND BLOCKING FOR ALL WALL MOUNTED ELEMENTS ON METAL STUD OR METAL FURRING WALL CONSTRUCTION. TYPICAL.
21. ALL PARTITIONS, CEILINGS, ROOFS, FENESTRATIONS, AND FLOORS, PART OF THE THERMAL ENVELOPE, SHALL BE FULLY AIR SEALED WITH SEALANT TO MITIGATE THE TRANSFERENCE OF AIR. THIS SHALL INCLUDE ALL SILL/SOLE PLATES, TOP PLATES, DISSIMILAR MATERIAL TRANSITIONS, PENETRATIONS, JOINTS, AND SHEATHING PERIMETERS. IN AREAS OF RATED PARTITIONS, SEALANT SHALL BE OF SUFFICIENT GRADE TO COMPLY WITH FIRE RATING REQUIREMENTS. TYPICAL.

SPECIFICATION "SECTION" INDEX

<u>DIVISIONS 02 THROUGH 12</u>

02 41 19	SELECTIVE DEMOLITION
03 30 00	CAST-IN-PLACE CONCRETE
04 01 00	MAINTENANCE OF MASONRY
04 20 00	UNIT MASONRY
05 50 00	METAL FABRICATIONS
05 53 00	METAL GRATINGS
06 10 00	ROUGH CARPENTRY
06 46 00	WOOD TRIM
07 21 00	THERMAL INSULATION
07 84 00	FIRESTOPPING
07 90 00	JOINT PROTECTION
08 11 13	HOLLOW METAL DOORS AND FRAMES
08 14 00	WOOD DOORS
08 31 13	ACCESS DOORS
08 71 00	DOOR HARDWARE
08 80 00	GLAZING
09 20 00	PLASTER AND GYPSUM BOARD
09 30 00	CERAMIC TILE
09 51 13	ACOUSTICAL PANEL CEILINGS
09 65 00	RESILIENT FLOORING
09 91 23	INTERIOR PAINTING
09 94 19	SPECIALTY COATINGS
10 11 00	VISUAL DISPLAY UNITS
10 14 23	PANEL SIGNAGE
10 21 13	TOILET COMPARTMENTS
10 28 00	TOILET AND BATH ACCESSORIES
10 51 00	LOCKERS
10 51 13	METAL LOCKERS
10 56 00	STORAGE ASSEMBLIES
12 30 00	CASEWORK
32 90 00	PLANTING

NOTE:
SEE PROJECT SPECIFICATION SECTION 00 01 10 "TABLE OF CONTENTS" FOR FULL LIST OF CONTRACTUAL SPECIFICATIONS.

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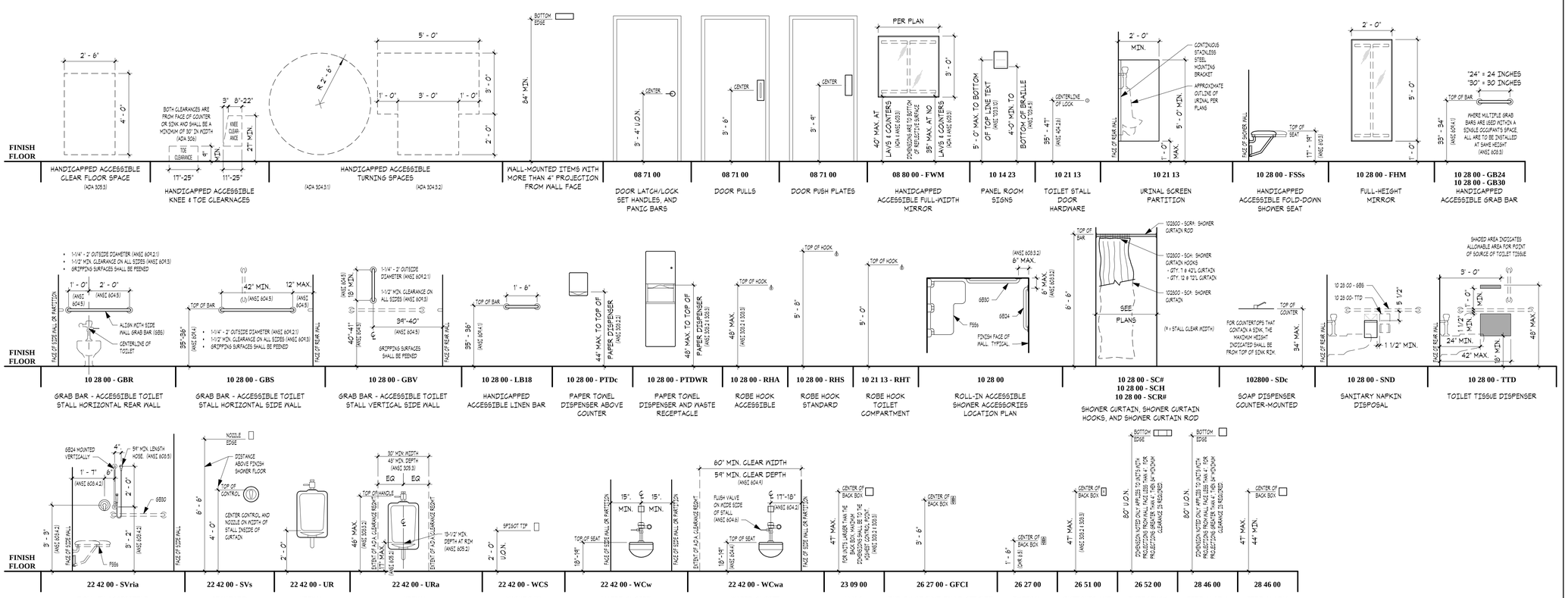
ARCH. GENERAL INFORMATION AND ABBREVIATIONS

PROJ. NO. JH2020	DRAWING NO. A-0.1
SCALE	
DATE JUNE 1, 2021	

FIXTURE, EQUIPMENT, AND ACCESSORY MOUNTING NOTES:

1. CONTRACTOR IS RESPONSIBLE TO COORDINATE INSTALLATION OF ALL FIXTURES, EQUIPMENT, AND REQUIRED BLOCKING TO ENSURE LOCATION TOLERANCE IS MET. IF ANY FIXTURE IS INSTALLED OUTSIDE OF TOLERANCES NOTED THEN THE ISSUE SHALL BE RESOLVED AT CONTRACTOR'S OWN EXPENSE.
2. NOT ALL FIXTURES SHOWN MAY VISUALLY REPRESENT EXACT FIXTURE SCHEDULED. CONTRACTOR TO COORDINATE EXACT FIXTURES AGAINST THESE TOLERANCES AND PRESENT ANY DISCREPANCIES TO THE DESIGN TEAM PRIOR TO COMMENCEMENT OF WORK.
3. CONTRACTOR IS RESPONSIBLE TO COORDINATE LOCATION FOR AND TO PROVIDE SOLID BLOCKING WITHIN ALL WALL CAVITIES IN AREAS SCHEDULED TO RECEIVE WALL MOUNTED EQUIPMENT AND/OR FIXTURES.
4. ALL SINK DRAINS AND SUPPLY LINES SHALL BE OFFSET TO ENSURE UN-OBSTRUCTED KNEE AND TOE CLEARANCES (ANSI 606.2)
5. ALL PIPING BELOW SINKS WITHIN THE SCOPE OF WORK AREA, THAT WILL BE EXPOSED, SHALL BE ENCASED WITH A PROTECTIVE AND INSULATING JACKET ASSEMBLY (ANSI 606.6).
6. ALL GRAB BAR GRIPPING SURFACES SHALL BE FREE FROM ANY AND ALL OBSTRUCTIONS WITHIN 1-1/2" MEASURED AT ANY PART, AND IN ANY DIRECTION, OF THE GRIPPABLE SURFACES (ANSI 609.7 & 609.3).
7. ALL NOTATIONS OF "ANSI" SHALL STAND TO MEAN "INTERNATIONAL CODE COUNCIL AMERICAN NATIONAL STANDARD ICC A117.1-2009".
8. ALL NOTATIONS OF "ADA" SHALL STAND TO MEAN "UNITED STATES ACCESS BOARD ADA-ABA ACCESSIBILITY GUIDELINES (2004)" FOUND AT www.access-board.gov.



SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

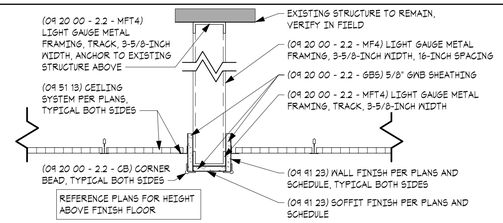
HVAC AND LOCKER ROOM IMPROVEMENTS AT THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

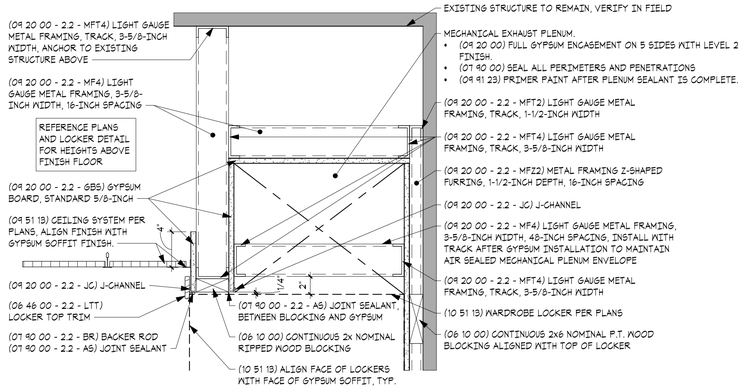
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MOUNTING HEIGHTS AND ACCESSIBILITY REQUIREMENTS

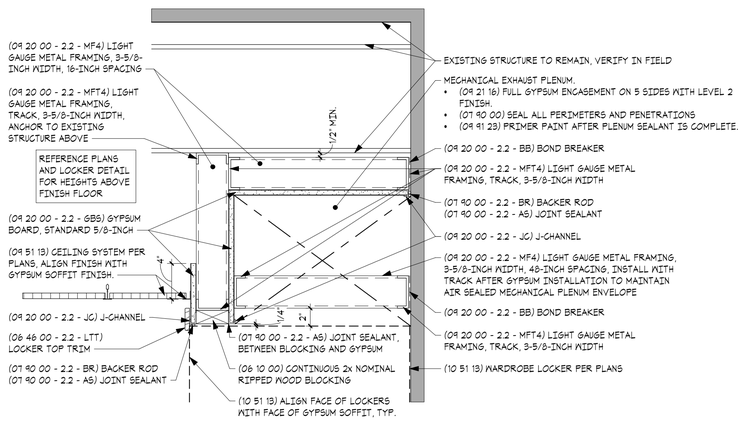
PROJ. NO.	DRAWING NO.
JH2020	A-0.2
SCALE 3/8" = 1'-0"	
DATE JUNE 1, 2021	



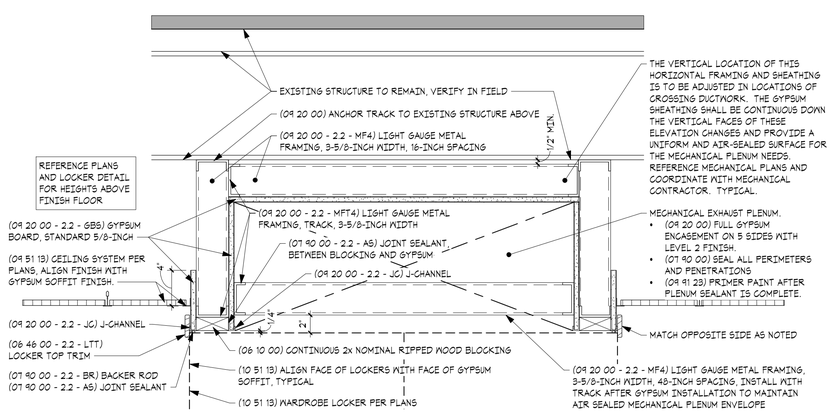
9 CEILING - GYPSUM PARTITION SOFFIT SECTION
SCALE: 1 1/2" = 1'-0"



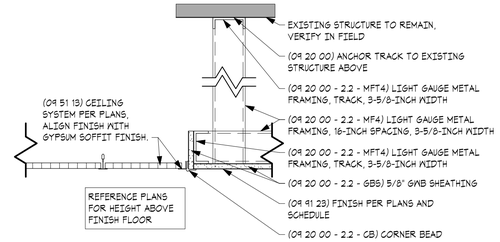
8 CEILING - LOCKER PLENUM SECTION AT WOMEN'S LOCKER ROOM #016
SCALE: 1 1/2" = 1'-0"



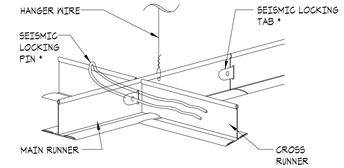
7 CEILING - LOCKER PLENUM SECTION
SCALE: 1 1/2" = 1'-0"



6 CEILING - BACK-TO-BACK LOCKER PLENUM SECTION MEN'S LOCKER ROOM #001
SCALE: 1 1/2" = 1'-0"

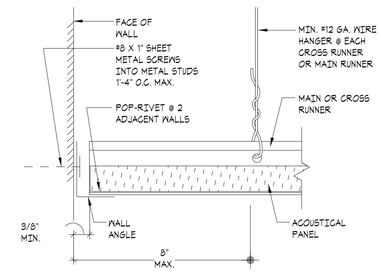


5 CEILING - FLUSH SOFFIT SECTION
SCALE: 1 1/2" = 1'-0"

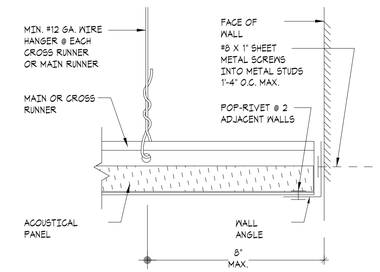


* SPLICES AND INTERSECTIONS OF RUNNERS SHALL BE FASTENED WITH MECHANICAL INTERLOCKING CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES, OR WITH BENT TABS, OR OTHER APPROVED CONNECTORS. DESIGN CONNECTORS FOR DESIGN LOAD (MIN. 80 LBS) OR ULTIMATE AXIAL TENSION OR COMPRESSION OF 2X DESIGN LOAD

4 09 51 13 - ACOUSTICAL CEILING SYSTEM SEISMIC CONNECTION DETAIL
SCALE: 1 1/2" = 1'-0"

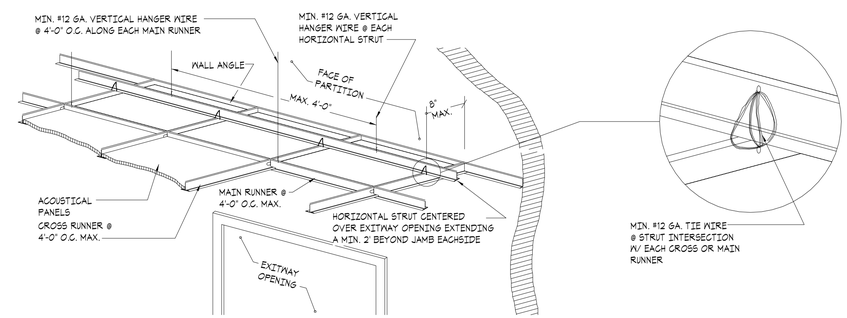


EXPANSION AT OPPOSITE WALLS



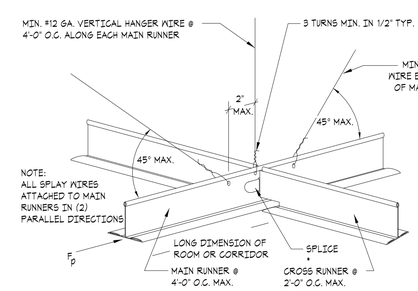
ATTACHED AT STARTER AND ONE ADJACENT WALL

3 09 51 13 - ACOUSTICAL CEILING SYSTEM SEISMIC WALL ANGLE DETAILS
SCALE: 1 1/2" = 1'-0"

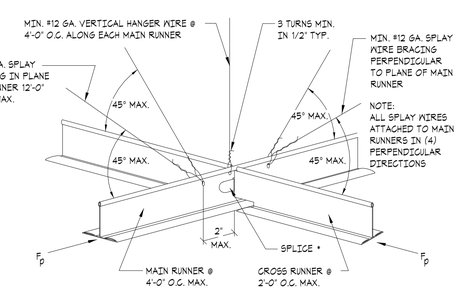


NOTE: THIS STRUT IS NOT REQUIRED @ EXITS OCCURRING IN STARTER WALLS

2 09 51 13 - ACOUSTICAL CEILING SYSTEM SEISMIC STRUT AT EXIT WAYS DETAIL
SCALE: 1 1/2" = 1'-0"



SPACES GREATER THAN 400 S.F.
ONE DIRECTION EXCEEDS 20'-0"



SPACES GREATER THAN 400 S.F.
TWO DIRECTIONS EXCEED 20'-0"

*REFER TO SEISMIC CONNECTION DETAIL

NOTE: CEILINGS OF 400 S.F. OR LESS, SURROUNDED BY WALLS THAT CONNECT DIRECTLY TO STRUCTURE ABOVE, ARE EXCLUDED FROM THESE DETAILS.

1 09 51 13 - ACOUSTICAL CEILING SYSTEM SEISMIC SPLAY BRACING DETAILS
SCALE: 1 1/2" = 1'-0"

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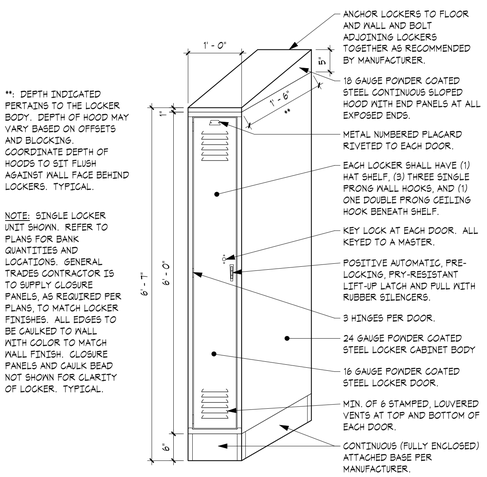
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

CEILING DETAILS

PROJ. NO.	DRAWING NO.
JH2020	A-0.3
SCALE 1 1/2" = 1'-0"	
DATE JUNE 1, 2021	

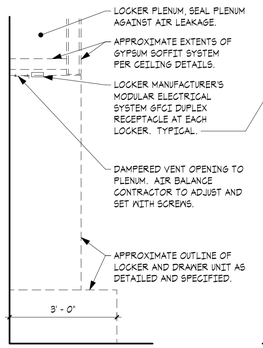


**: DEPTH INDICATED PERTAINS TO THE LOCKER BODY. DEPTH OF HOOD MAY VARY BASED ON OFFSETS AND BLOCKING. COORDINATE DEPTH OF HOODS TO SIT FLUSH AGAINST WALL FACE BEHIND LOCKERS. TYPICAL.

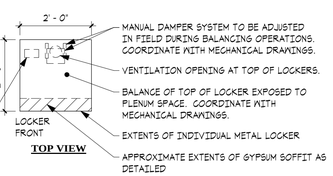
NOTE: SINGLE LOCKER UNIT SHOWN. REFER TO PLANS FOR BANK QUANTITIES AND LOCATIONS. GENERAL TRADES CONTRACTOR IS TO SUPPLY CLOSURE PANELS, AS REQUIRED PER PLANS, TO MATCH LOCKER FINISHES. ALL EDGES TO BE CAULKED TO WALL WITH COLOR TO MATCH WALL FINISH. CLOSURE PANELS AND CAULK BEAD NOT SHOWN FOR CLARITY OF LOCKER. TYPICAL.

11 (10 51 00 - 2.2 - PP1218) PERSONNEL LOCKER DETAIL
SCALE: 3/4" = 1'-0"

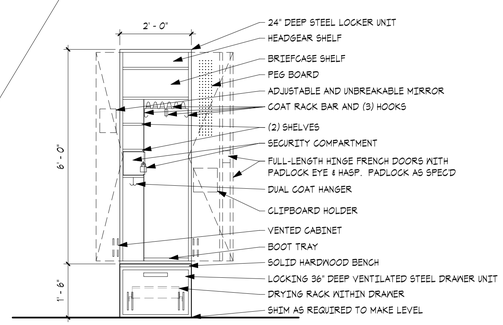
TYPICAL NOTES:
1. PROVIDE NUMBERED PLACARDS ON EACH LOCKER JUST ABOVE COMBINATION LOCK. COORDINATE SEQUENCING WITH OWNER.
2. PROVIDE BUILT-IN COMBINATION LOCKS WITH MASTERKEY WITH QUANTITY AND TYPE AS SPECIFIED.
3. SINGLE LOCKER UNIT SHOWN. REFER TO PLANS FOR BANK QUANTITIES AND LOCATIONS.
4. LOCKER CONTRACTOR IS TO SUPPLY CLOSURE PANLS, AS REQUIRED PER PLANS, TO MATCH LOCKER FINISHES.
5. ALL EDGES TO BE CAULKED TO WALL WITH COLOR TO MATCH WALL FINISH.
6. CLOSURE PANELS AND CAULK BEAD NOT SHOWN FOR CLARITY OF LOCKER.
7. PROVIDE BLOCKING AT ALL ASSOCIATED STUD WALLS AS DETAILED



SECTION VIEW

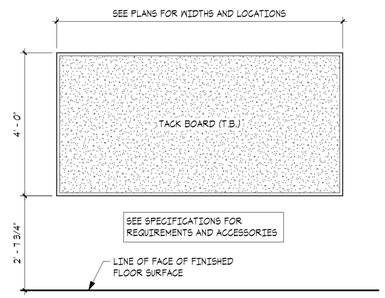


TOP VIEW

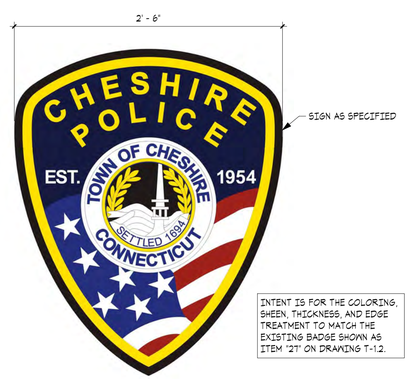


FRONT VIEW

9 (10 51 13 - 2.2 - TL24) WARDROBE TACTICAL LOCKER, 24-INCH WIDTH DETAIL
SCALE: 1/2" = 1'-0"

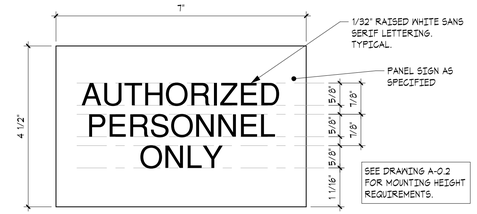


7 (10 11 00) "TB-#" TACK BOARD ELEVATION DETAIL
SCALE: 1/2" = 1'-0"

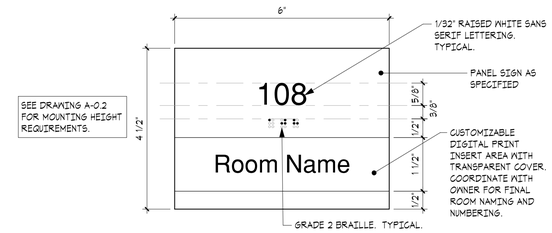


INTENT IS FOR THE COLORING, SHEEN, THICKNESS, AND EDGE TREATMENT TO MATCH THE EXISTING BADGE SHOWN AS ITEM '2T' ON DRAWING T-1.2.

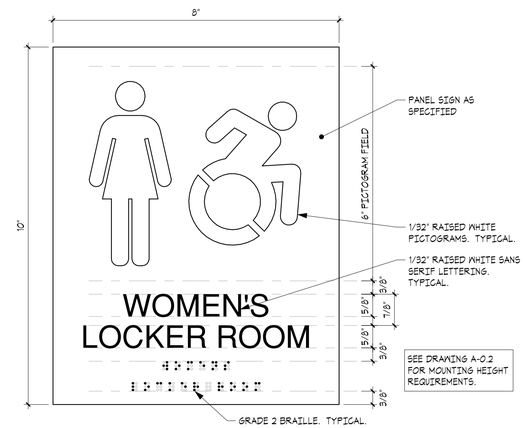
6 (10 14 23) "RS-PDB" SIGN DETAIL
SCALE: 1 1/2" = 1'-0"



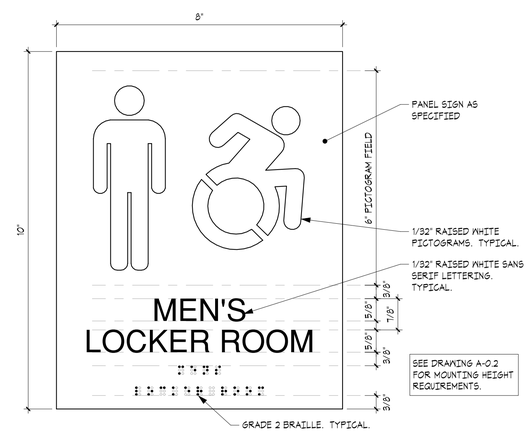
4 (10 14 23) "RS-APO" PANEL ROOM SIGN DETAIL
SCALE: 6" = 1'-0"



3 (10 14 23) "RS-S" PANEL ROOM SIGN DETAIL
SCALE: 6" = 1'-0"



2 (10 14 23) "RS-WLa" PANEL ROOM SIGN DETAIL
SCALE: 6" = 1'-0"



1 (10 14 23) "RS-MLa" PANEL ROOM SIGN DETAIL
SCALE: 6" = 1'-0"

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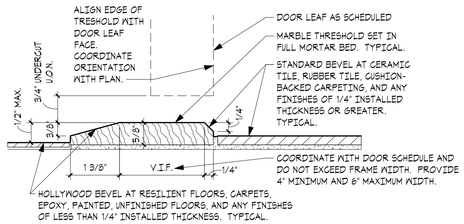
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

MISC. DETAILS

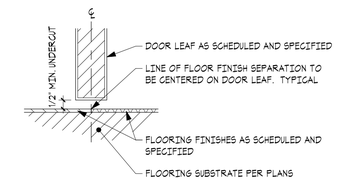
PROJ. NO.	DRAWING NO.
JH2020	A-0.4
SCALE: As indicated	
DATE: JUNE 1, 2021	



NOTE: CONTRACTOR IS TO VERIFY ADJACENT FLOORING CONDITIONS AT EACH MARBLE THRESHOLD AND COORDINATE REQUIRED BEVEL TYPES AND ORIENTATIONS. ALTERNATING EDGES DEPICTED ONLY FOR CLARITY OF ANTICIPATED CONDITIONS.

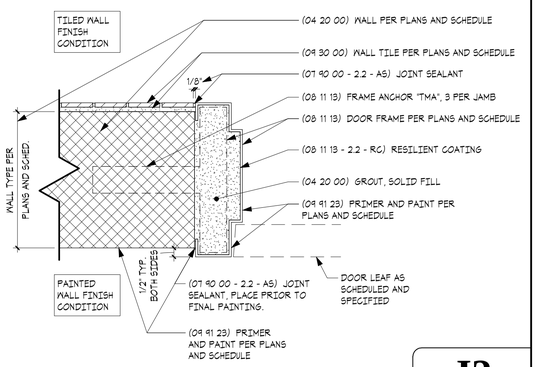
SCALE: 6" = 1'-0"

MTH



THIS DRAWING IS NOT TO SCALE

FFS



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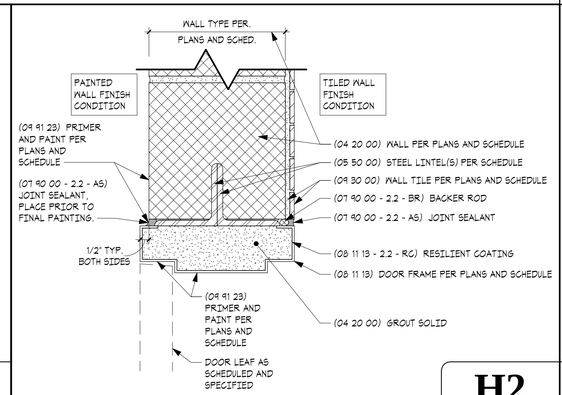
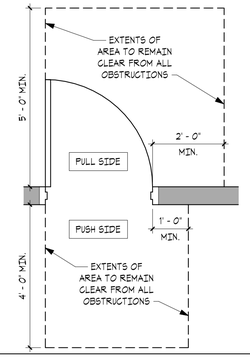
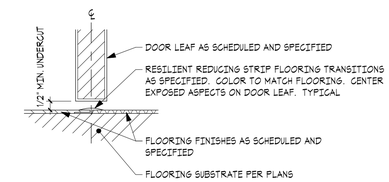


H2



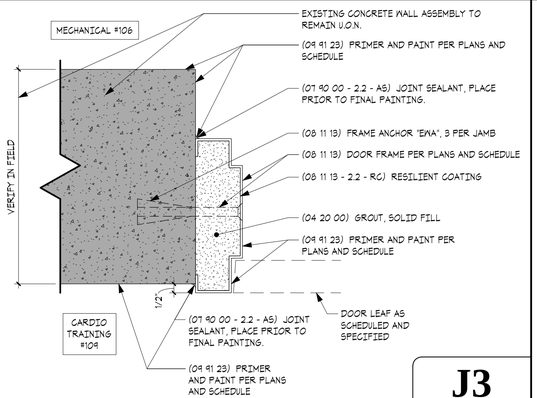
TYPICAL DOOR ADA (ACCESSIBILITY) CLEARANCES

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



THIS DRAWING IS NOT TO SCALE

RRS



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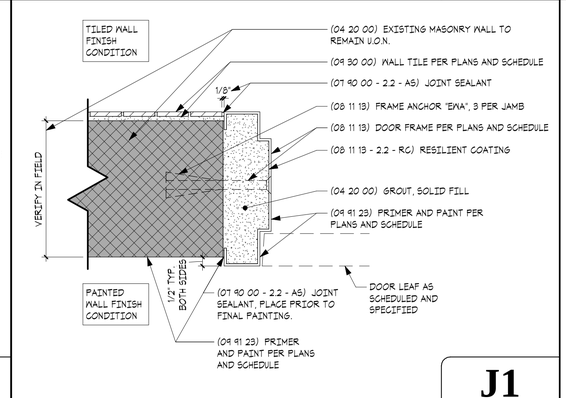
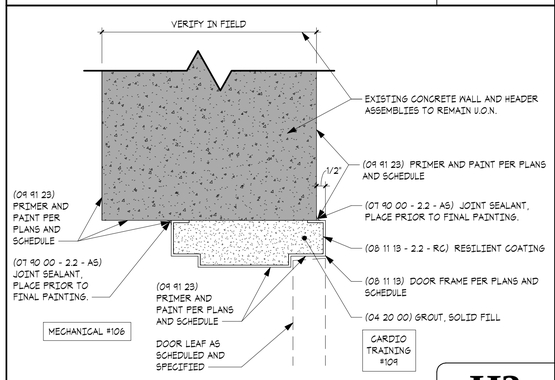
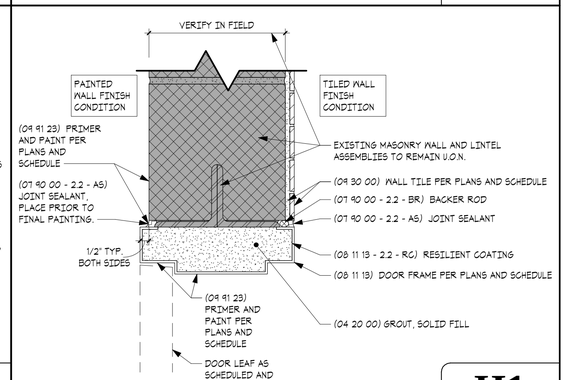


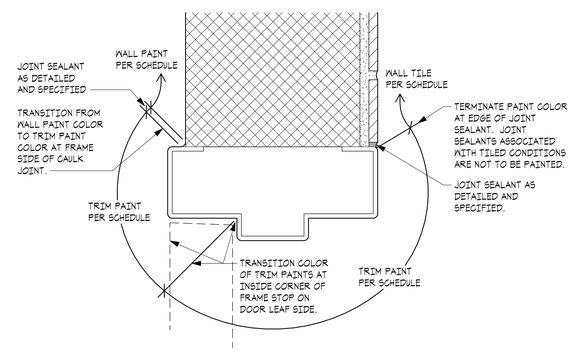
J1



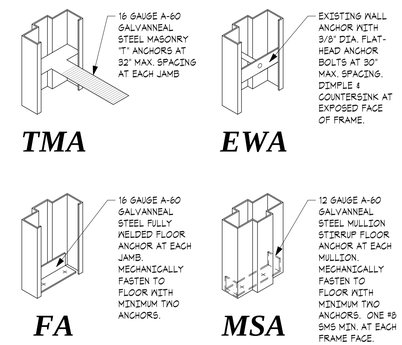
H3



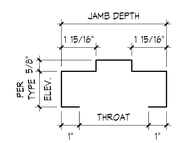
H1



5 09 91 23 - DOOR FRAME PAINT DEMARKATION DETAIL
SCALE: 6" = 1'-0"

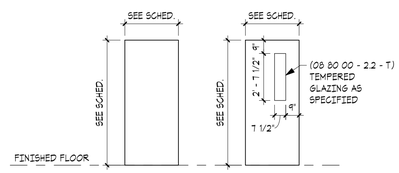


3 08 11 13 - HOLLOW METAL FRAME ANCHOR TYPES
SCALE: 1 1/2" = 1'-0"



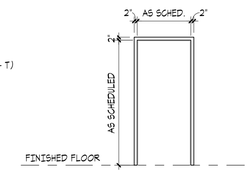
SQ1

4 08 11 13 - HOLLOW METAL FRAME SERIES TYPES
SCALE: 3" = 1'-0"



DL-F DL-R

2 08 14 00 - WOOD DOOR LEAF TYPES
SCALE: 1/4" = 1'-0"



G

1 08 11 13 - HOLLOW METAL FRAME TYPES
SCALE: 1/4" = 1'-0"

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	6/1/21	BIDDING RELEASE

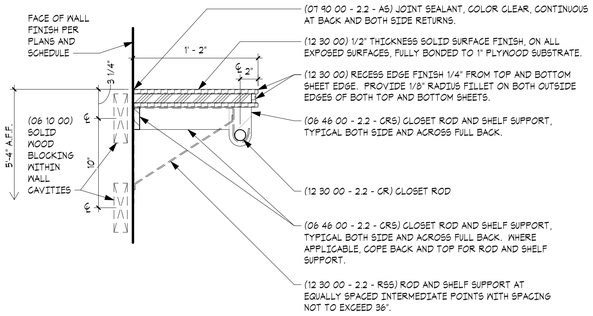
HVAC AND LOCKER ROOM IMPROVEMENTS AT THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

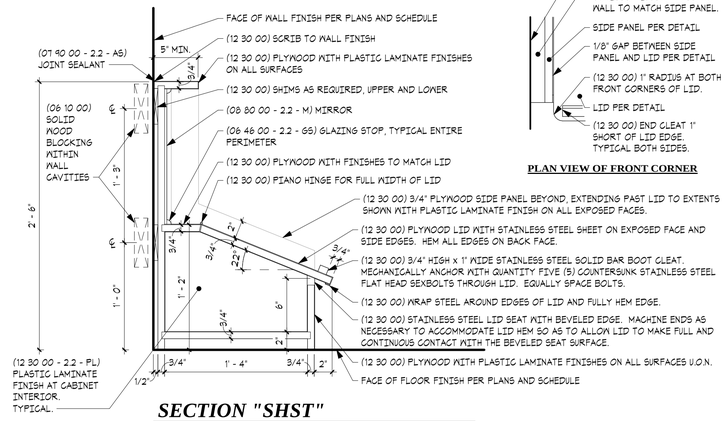
DOOR, LEAF, AND FRAME TYPES AND DETAILS

PROJ. NO. JH2020	DRAWING NO. A-0.5
SCALE As indicated	
DATE JUNE 1, 2021	



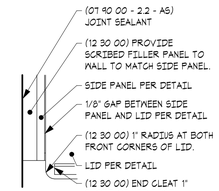
SECTION "CRS-W"

CLOSET ROD & SHELF - WET GEAR DRYING

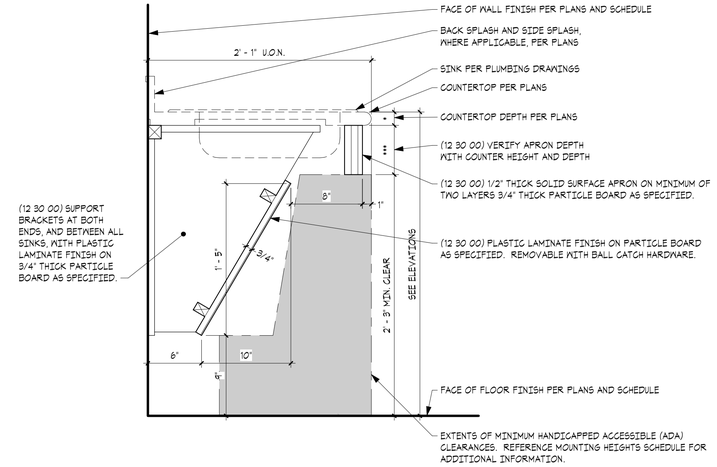


SECTION "SHST"

SHOE SHINE STATION

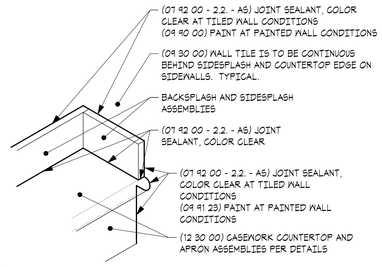


PLAN VIEW OF FRONT CORNER

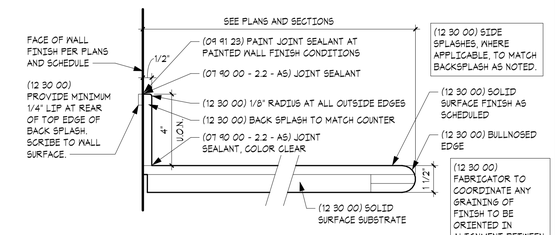


SECTION "BC-L"

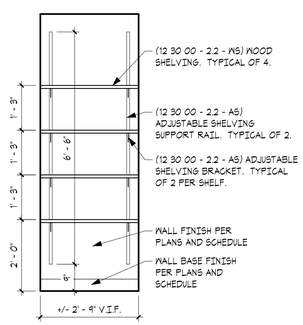
LAVATORY COUNTER (OPEN BELOW)



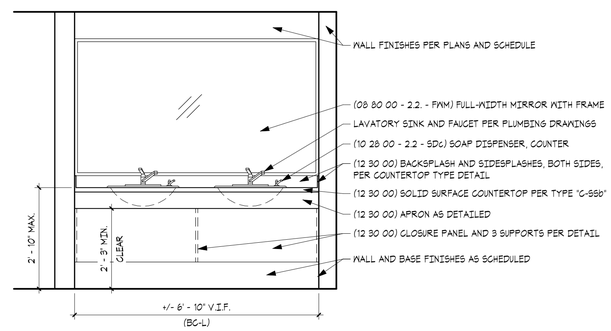
5 CASEWORK SECTION "BC-L" SIDEWALL ISOMETRIC DETAIL
SCALE: 1 1/2" = 1'-0"



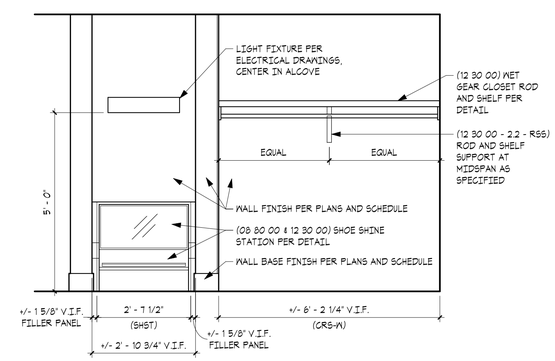
COUNTER SECTION "C-SSb"



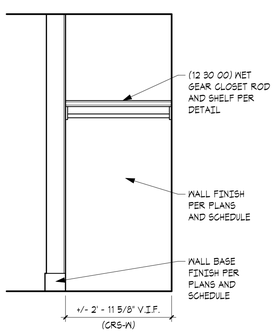
7 CASEWORK ELEVATION AT MULTI-PURPOSE ROOM #021
SCALE: 1/2" = 1'-0"



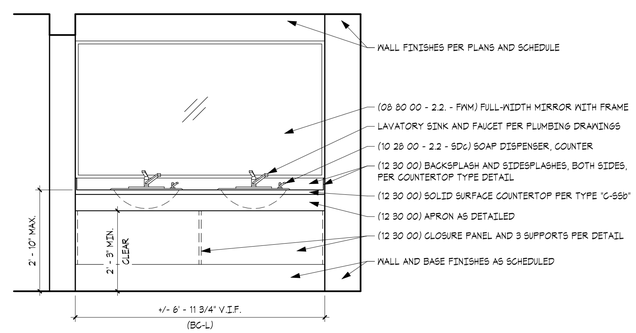
4 CASEWORK ELEVATION AT WOMEN'S TOILET #019
SCALE: 1/2" = 1'-0"



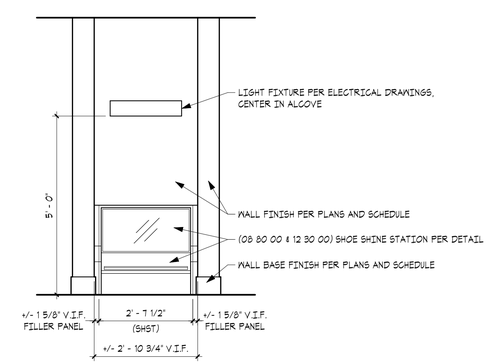
2 CASEWORK ELEVATION AT WET GEAR #015
SCALE: 1/2" = 1'-0"



6 CASEWORK ELEVATION AT MEN'S LOCKER ROOM #001.
SCALE: 1/2" = 1'-0"



3 CASEWORK ELEVATION AT MEN'S LAVATORY #004
SCALE: 1/2" = 1'-0"



1 CASEWORK ELEVATION AT MEN'S LOCKER ROOM #001
SCALE: 1/2" = 1'-0"

SUBMISSIONS & REVISIONS		
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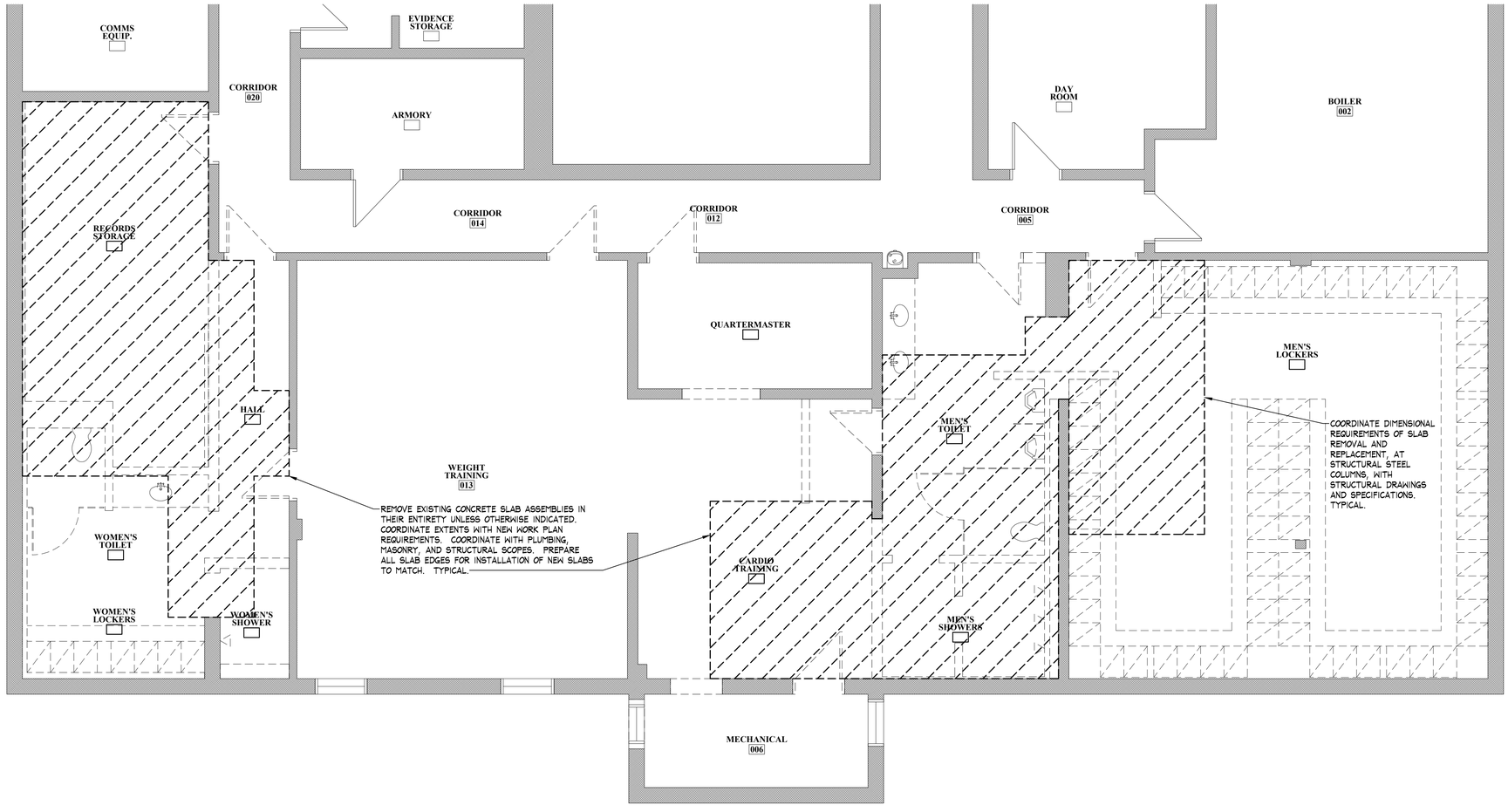
CASEWORK ELEVATIONS, SECTIONS, AND DETAILS

PROJ. NO.	DRAWING NO.
JH2020	A-0.6
SCALE: As indicated	
DATE: JUNE 1, 2021	



0 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 **(SECTION 02 41 19) DEMOLITION OF EXISTING CONDITIONS PARTIAL LOWER LEVEL SLAB PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

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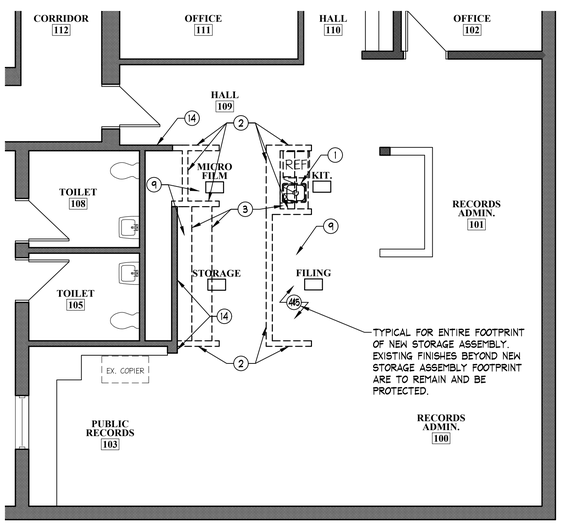
DEMOLITION OF EXISTING CONDITIONS PARTIAL SLAB PLAN

PROJ. NO.	DRAWING NO.
JH2020	A-2.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

DEMOLITION SCOPE KEY NOTE LEGEND

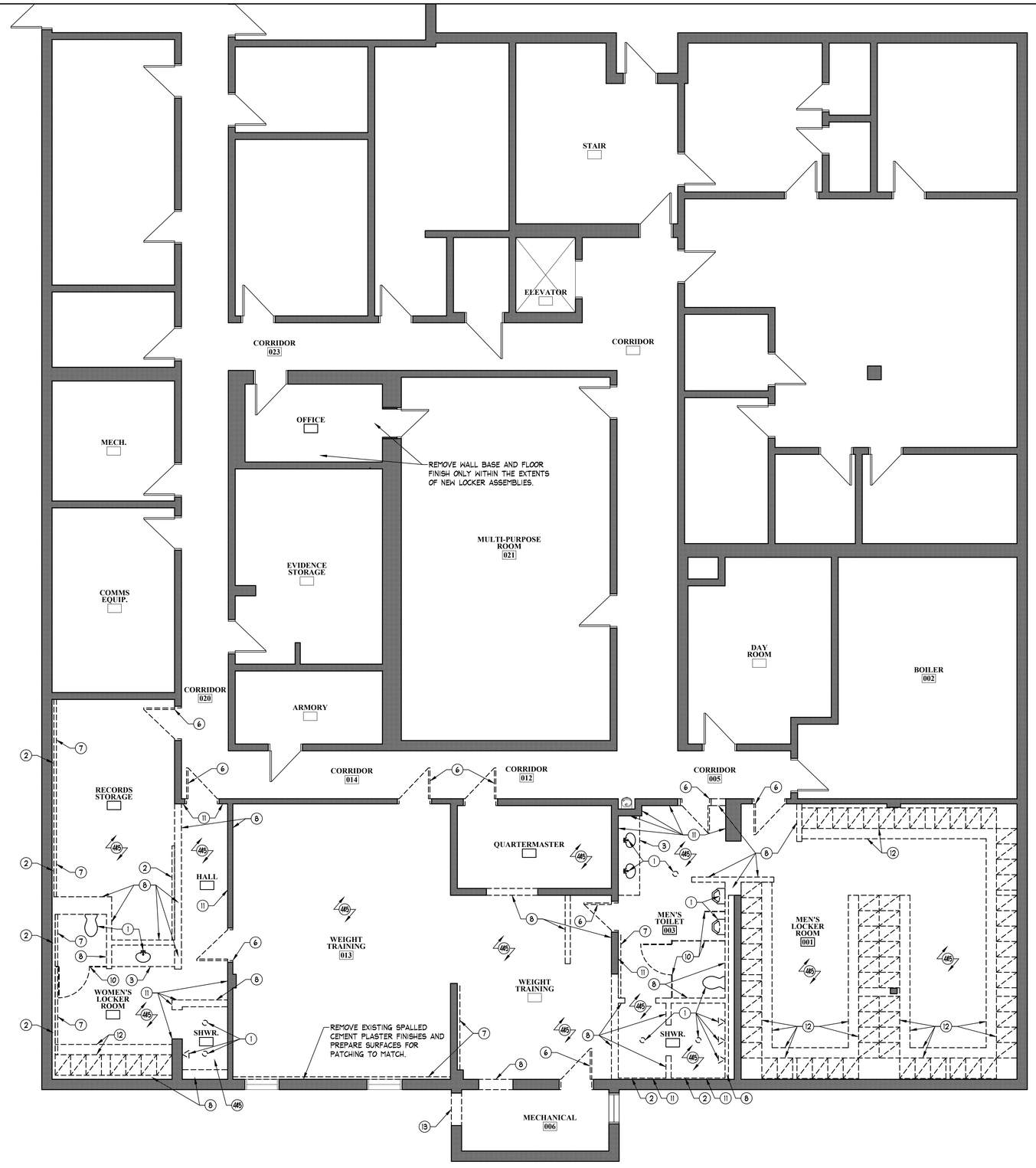
1. REMOVE EXISTING PLUMBING FIXTURES AND TERMINATE PIPING PER THE REQUIREMENTS OF THE PLUMBING DRAWINGS.
2. REMOVE EXISTING GYPSUM STUD WALLS TO EXTENTS SHOWN. COORDINATE TERMINATION OF STRUCTURE AND FINISHES, TO REMAIN, WITH PROPOSED SCOPE OF WORK.
3. REMOVE EXISTING CASEWORK AND ALL ASSOCIATED FASTENERS. PREPARE SLAB AND WALL SURFACES, AS REQUIRED, FOR PROPOSED SCOPE OF WORK.
4. REMOVE EXISTING CEILING SYSTEMS IN THEIR ENTIRETY. COORDINATE REMOVAL OF FIXTURES, EQUIPMENT, AND/OR PLUMBING WITH RESPECTIVE DISCIPLINES.
5. REMOVE EXISTING FLOOR FINISH AND WALL BASE IN ITS ENTIRETY. PREPARE SLAB AND WALL SURFACES, AS REQUIRED, FOR INSTALLATION OF PROPOSED FINISHES.
6. REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE IN ITS ENTIRETY.
7. REMOVE EXISTING MECHANICAL, FIRE PROTECTION, AND/OR ELECTRICAL COMPONENTS PER RESPECTIVE DISCIPLINE DRAWINGS. TYPICAL.
8. REMOVE EXISTING MASONRY WALLS TO EXTENTS SHOWN. COORDINATE TERMINATION OF STRUCTURE AND FINISHES, TO REMAIN, WITH PROPOSED SCOPE OF WORK. PROVIDE SHORING OF STRUCTURE AS REQUIRED.
9. REMOVE GYPSUM SOFFIT ASSEMBLIES IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW WORK SCOPE.
10. REMOVE TOILET PARTITION ASSEMBLIES IN THEIR ENTIRETY. PREPARE SURFACES FOR NEW WORK SCOPE.
11. REMOVE CERAMIC TILE FINISHES FROM EXISTING WALL SURFACES. PREPARE SURFACES FOR NEW WORK SCOPE.
12. REMOVE EXISTING LOCKERS, MASONRY/CONCRETE BASES, BENCHES, SOFFIT ABOVE, AND ASSOCIATED HARDWARE IN ITS ENTIRETY. PREPARE SURFACES FOR NEW WORK SCOPE.
13. SAW CUT AND REMOVE EXISTING FOUNDATION SYSTEM, AS REQUIRED, TO PROVIDE NEW OPENING FOR NEW LOUVER ASSEMBLY. COORDINATE EXACT SIZE WITH MECHANICAL CONTRACTOR. OVERSIZE CUT TO PROVIDE CLEARANCE FOR NEW MASONRY JAMB AND LINTEL HEADER ASSEMBLIES. PROVIDE SHORING AS REQUIRED.
14. STRIP WALL PAPER FROM EXISTING GYPSUM SURFACES. PREPARE SURFACES FOR GYPSUM REPAIRS, SKIM COATING, AND FINISHING AS SCHEDULED.

SEE DRAWINGS T-1.1, A-4.2, AND A-7.2 FOR ADDITIONAL DEMOLITION OF EXISTING CONDITIONS SCOPE.



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

2 (SECTION 02 41 19) DEMOLITION OF EXISTING CONDITIONS PARTIAL UPPER LEVEL FLOOR PLAN
SCALE: AS NOTED



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

1 (SECTION 02 41 19) DEMOLITION OF EXISTING CONDITIONS PARTIAL LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
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	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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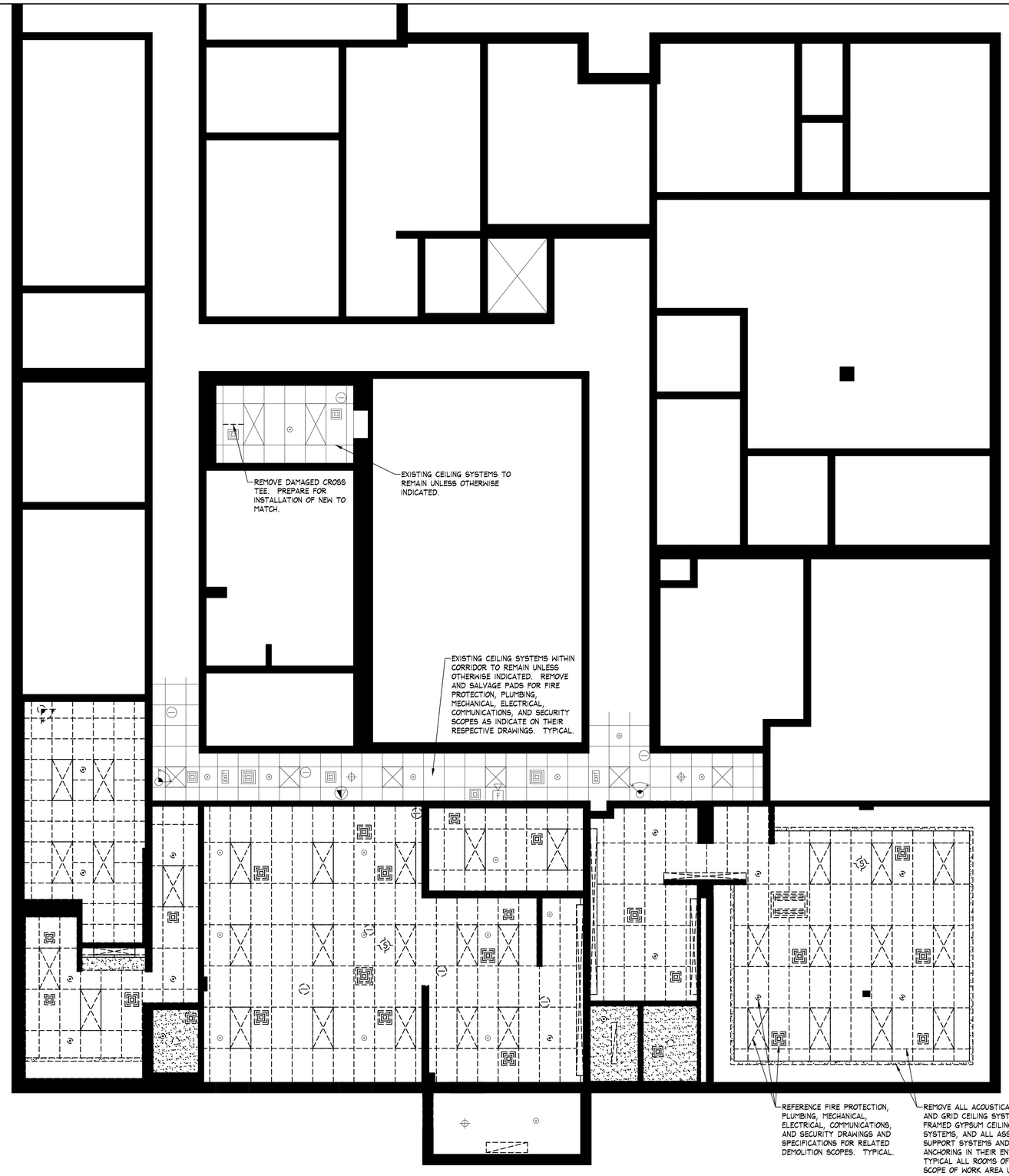
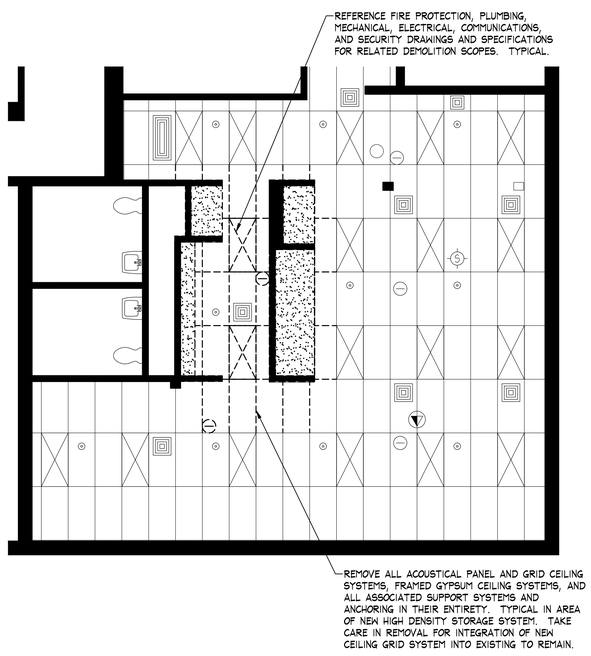
DEMOLITION OF EXISTING CONDITIONS PARTIAL FLOOR PLANS

PROJ. NO.	DRAWING NO.
JH2020	A-2.2
SCALE: As Noted	
DATE: JUNE 1, 2021	



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

1 **(SECTION 02 41 19) DEMOLITION OF EXISTING CONDITIONS PARTIAL LOWER LEVEL REFLECTED CEILING PLAN**
SCALE: AS NOTED



0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

2 **(SECTION 02 41 19) DEMOLITION OF EXISTING CONDITIONS PARTIAL UPPER LEVEL REFLECTED CEILING PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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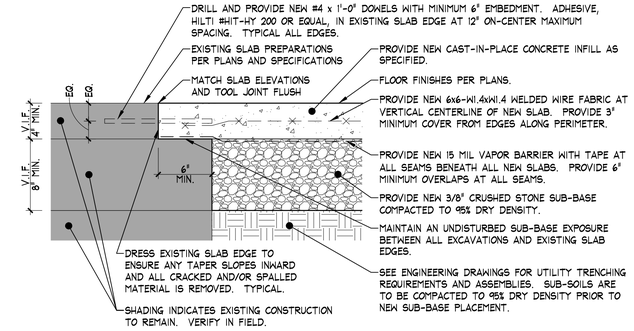
DEMOLITION OF EXISTING CONDITIONS PARTIAL REFLECTED CEILING PLANS

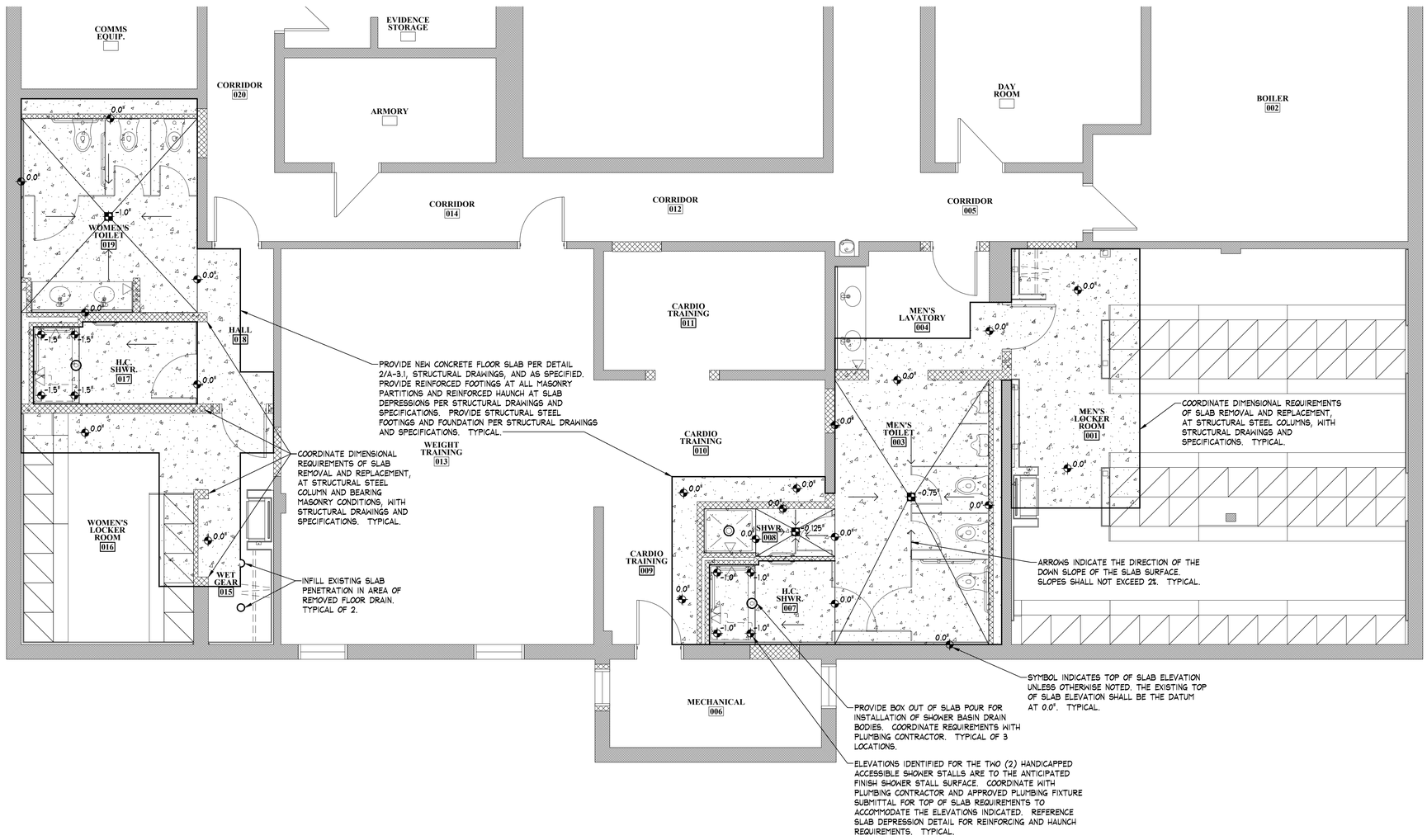
PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	A-2.3
DATE JUNE 1, 2021	

GENERAL NOTES

1. IN ALL CASES OF NEW CONCRETE SLABS, THE EDGES THAT ABUT EXISTING SLABS TO REMAIN SHALL HAVE THEIR FINISHED FACES ALIGNED WITH THE EXISTING TOP OF SLAB TO REMAIN. ALL JOINTS SHALL HAVE A SMOOTH TRANSITION. TYPICAL UNLESS OTHERWISE NOTED.
2. NEW MASONRY PARTITIONS WILL PENETRATE SLAB SYSTEMS SHOWN AND REST UPON BURIED REINFORCED CONCRETE FOOTINGS. REFERENCE STRUCTURAL DRAWINGS FOR REQUIREMENTS. TYPICAL.
3. NEW SLAB DEPRESSIONS ARE TO HAVE REINFORCED HAUNCHES PER STRUCTURAL DRAWINGS. TYPICAL.
4. CONCRETE INSTALLER IS TO COORDINATE EXACT EXTENTS OF SLAB DEPRESSIONS AND BASINS WITH PLUMBING AND MASONRY INSTALLER(S). TYPICAL.
5. REFERENCE STRUCTURAL DRAWINGS FOR NEW FOOTINGS, SLABS, AND REINFORCING SCOPE NOT IDENTIFIED HEREIN BUT REQUIRED UNDER THIS DIVISION.



2 DETAIL AT SLAB INFILL
SCALE: 1-1/2" = 1'-0"



0 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 (SECTION 03 30 00) NEW WORK CONCRETE LOWER LEVEL SLAB PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

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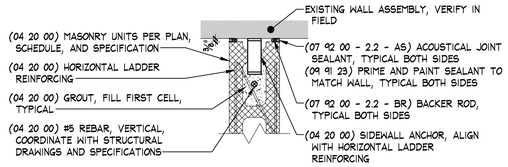
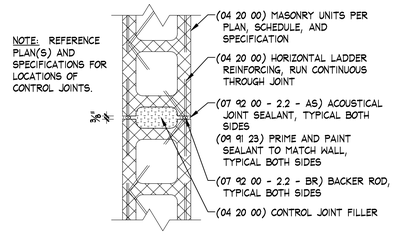
NEW WORK CONCRETE PARTIAL SLAB PLAN

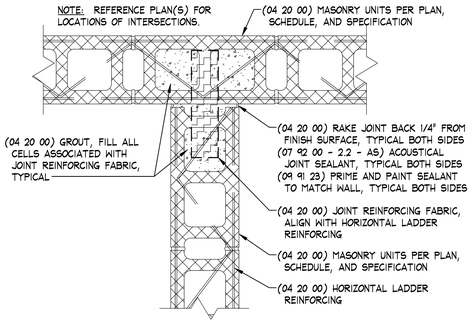
PROJ. NO.	DRAWING NO.
JH2020	A-3.1
SCALE: As Noted	
DATE: JUNE 1, 2021	



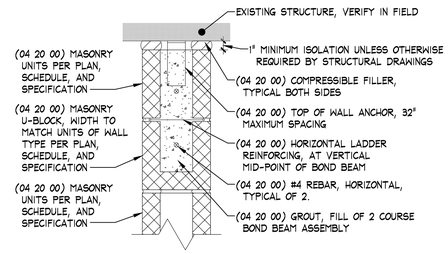
5 DETAIL AT MASONRY TO EXISTING WALL
SCALE: 1-1/2" = 1'-0"



3 DETAIL AT MASONRY CONTROL JOINTS
SCALE: 1-1/2" = 1'-0"

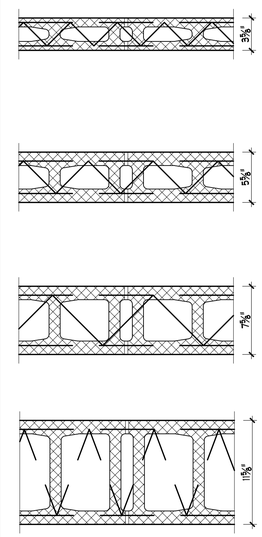


4 DETAIL AT MASONRY INTERSECTIONS
SCALE: 1-1/2" = 1'-0"



2 DETAIL AT TOP OF MASONRY PARTITIONS
SCALE: 1-1/2" = 1'-0"

MASONRY WALL TYPES AND NOTES



WB-4
4" NOMINAL CONCRETE MASONRY UNIT, HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.
TOTAL THICKNESS: 3⅝".
TOTAL HEIGHT: FROM FOOTING TO UNDERSIDE OF FLOOR DECK

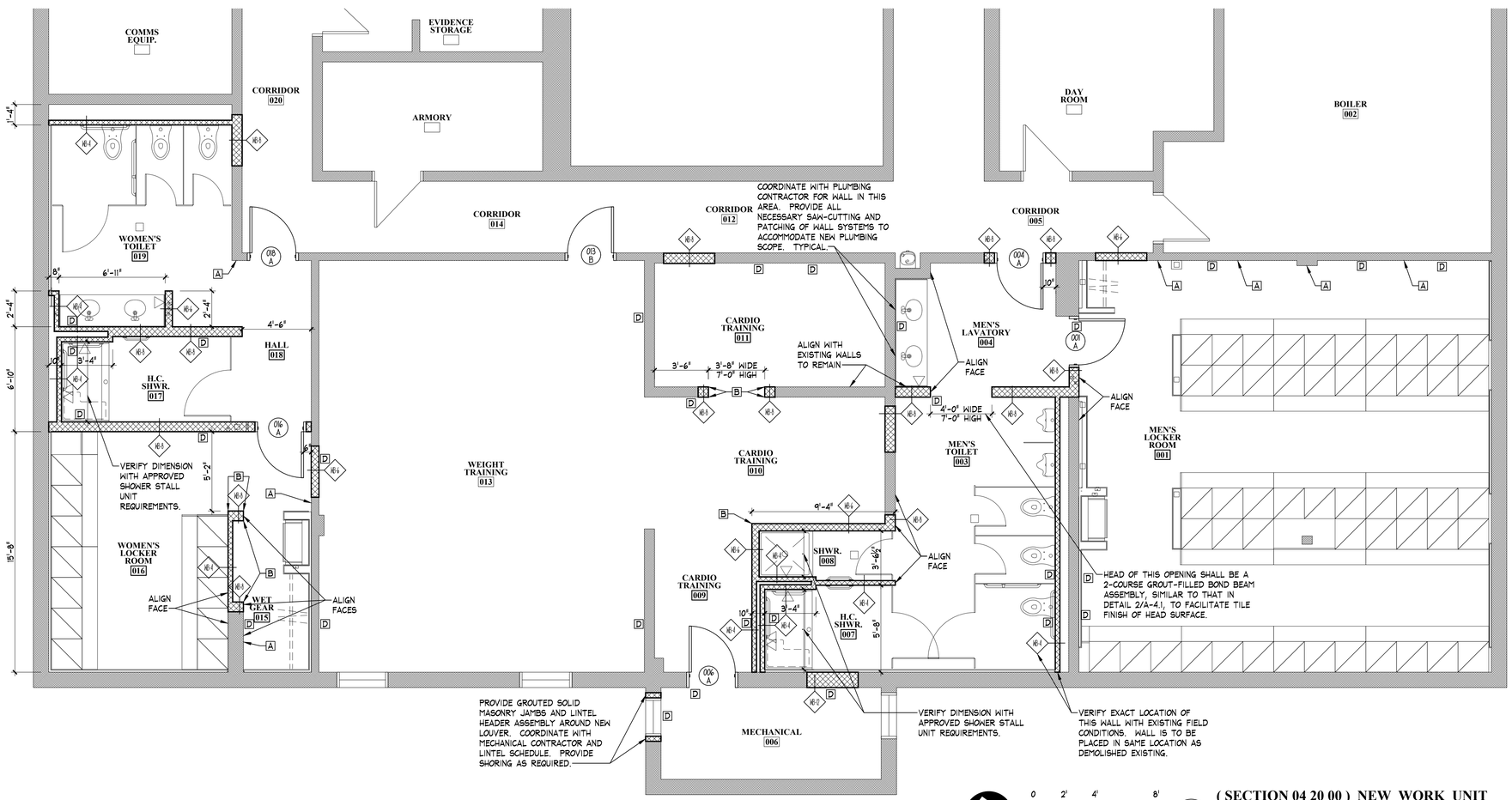
WB-6
6" NOMINAL CONCRETE MASONRY UNIT, HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.
TOTAL THICKNESS: 5⅝".
TOTAL HEIGHT: FROM FOOTING TO UNDERSIDE OF FLOOR DECK

WB-8
8" NOMINAL CONCRETE MASONRY UNIT, HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.
TOTAL THICKNESS: 7⅞".
TOTAL HEIGHT: FROM FOOTING TO UNDERSIDE OF FLOOR DECK.

WB-12
12" NOMINAL CONCRETE MASONRY UNIT, HORIZONTAL REINFORCING AT 16" O.C. VERTICALLY.
TOTAL THICKNESS: 11⅝".
TOTAL HEIGHT: INFILL OF EXISTING MASONRY WALL.

GENERAL MASONRY NOTES:

1. PROVIDE +/-4" SOAP COURSE AT BASE OF ALL WALLS TO MATCH/ACCOMMODATE EXISTING MASONRY COURSING. TYPICAL.
2. REQUIREMENTS FOR REBAR REINFORCING AND GROUT FILL ARE NOT IDENTIFIED ON THIS SCHEDULE. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR REQUIRED REINFORCING AND GROUT FILL LOCATIONS. TYPICAL.
3. EXCEPT FOR WALL TYPE "WB-4". ALL FULL-HEIGHT MASONRY PARTITIONS ARE TO HAVE A 2-COURSE BOND BEAM AT TOP OF WALL. ALL BOND BEAMS ARE TO HAVE TWO CONTINUOUS HORIZONTAL #4 REINFORCING BARS AND BE FULLY GROUT FILLED. TYPICAL.
4. MASONRY CONTRACTOR IS REQUIRED TO COORDINATE WITH ALL OTHER TRADES TO ENSURE ALL REQUIRED IN-WALL SYSTEMS (CONDUITS, BACK BOXES, PIPING, SUPPORTS, ANCHORS, ETC.) AND INFRASTRUCTURE ARE ACCOUNTED FOR.
5. ALL OUTSIDE CORNERS OF MASONRY WALLS SHALL BE SQUARE UNLESS OTHERWISE IDENTIFIED. OUTSIDE CORNERS WITH THE TAG "B" SHALL BE PROVIDED WITH A 1" RADIUS BULLNOSE.
6. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED HEREIN.
7. COORDINATE WITH VENDOR(S) AND REFERENCE PLANS, MOUNTING HEIGHTS, AND SPECIFICATIONS FOR RECESSED COMPONENTS REQUIRING MASONRY ACCOMMODATIONS.
8. GROUT FILL ALL CELLS IN LOCATIONS OF GRAB BAR AND CASEWORK ANCHORING POINTS. TYPICAL.
9. IN LOCATIONS WITH THE TAG "A", PROVIDE GROUT PATCHING, AS REQUIRED, AT EXISTING MASONRY WALL SURFACE TO PROVIDE SMOOTH AND UNIFORM SURFACE FOR FINISHES. TYPICAL.
10. IN LOCATIONS WITH THE TAG "D", MASONRY CONTRACTOR IS TO COORDINATE ALL DUCT PENETRATIONS THROUGH MASONRY WALL SYSTEMS WITH MECHANICAL CONTRACTOR. PROVIDE ALL SHORING, REMOVAL, TOOTH-INS, AND STEEL LINTEL INSTALLATIONS TO ENSURE TIGHT FIT TO DUCTING AND STRUCTURAL BEARING CONDITIONS ACCOMMODATIONS. TYPICAL.



1 (SECTION 04 20 00) NEW WORK UNIT MASONRY LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

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NEW WORK MASONRY PARTIAL FLOOR PLAN

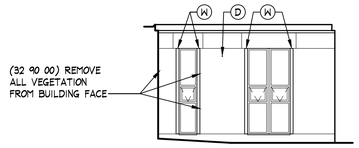
PROJ. NO.	DRAWING NO.
JH2020	A-4.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

KEY NOTE LEGEND

- (R) LOCATION OF BRICKS TO BE RE-BUILT. SOME BRICKS WILL NEED TO BE REPLACED. VERIFY IN FIELD WITH ARCHITECT AFTER CLEANING.
- (W) PROVIDE GROUT WASH AT TOP OF BRICK PROTRUSIONS. ENSURE POSITIVE DRAINAGE SLOPES TO EXTERIOR FACE OF WALL SYSTEM.
- (X) SIGNAGE IS TO BE REMOVED, SALVAGED, AND REINSTALLED AT THE COMPLETION OF THE PROJECT.
- (P) (09 20 00 - 2.2 - CPX) CEMENT PLASTER, EXTERIOR. REMOVE EXISTING CEMENT PLASTER SYSTEM WHERE SPALLED AND CRACKING. PREPARE SUBSTRATE AND APPLY NEW CEMENT PLASTER BLENDED INTO ADJACENT TO REMAIN.
- (D) EXISTING EMBEDDED MATERIALS (NAILS, BOLTS, EYE HOOKS, ETC.) TO BE REMOVED. RE-POINT REMAINING HOLES WITH COLOR TO MATCH ADJACENT TO REMAIN.

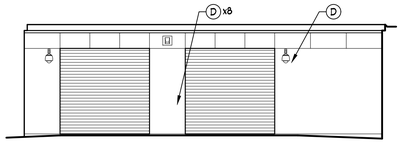
GENERAL NOTES:

1. THE WORK IDENTIFIED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 04 01 00 "MAINTENANCE OF MASONRY" UNLESS OTHERWISE NOTED.
2. NEW WORK MASONRY RESTORATION EXTENTS AND REQUIREMENTS SHALL BE DETERMINED BY CONTRACTOR AND ARCHITECT IN THE FIELD FOLLOWING CLEANING OF ALL SURFACES. REFERENCE SPECIFICATION SECTION 01 21 00 "ALLOWANCES" AND 01 22 00 "UNITS PRICES" FOR RELEVANT INFORMATION.
3. COORDINATE ALL NEW MATERIAL COLOR SELECTIONS WITH OWNER AND ARCHITECT, IN THE FIELD, PRIOR TO PROCUREMENT.
4. ALL MASONRY AND CONCRETE SURFACES IDENTIFIED ARE TO BE FULLY CLEANED PRIOR TO COMMENCEMENT OF RESTORATION WORK.
5. ALL MASONRY AND CONCRETE SURFACES IDENTIFIED ARE TO BE FULLY SEALED AFTER RE-POINTING, REPLACEMENT, AND REPAIR WORK HAS BEEN COMPLETED AND APPROVED.
6. ALL WEEPS ARE TO BE INSPECTED. CLOGGED WEEPS ARE TO BE CLEANED OUT OR REPLACED. VERIFY IN FIELD.



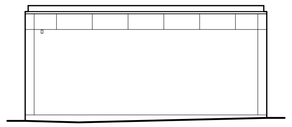
NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

14 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



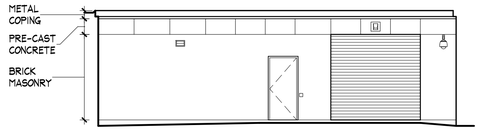
NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

13 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"



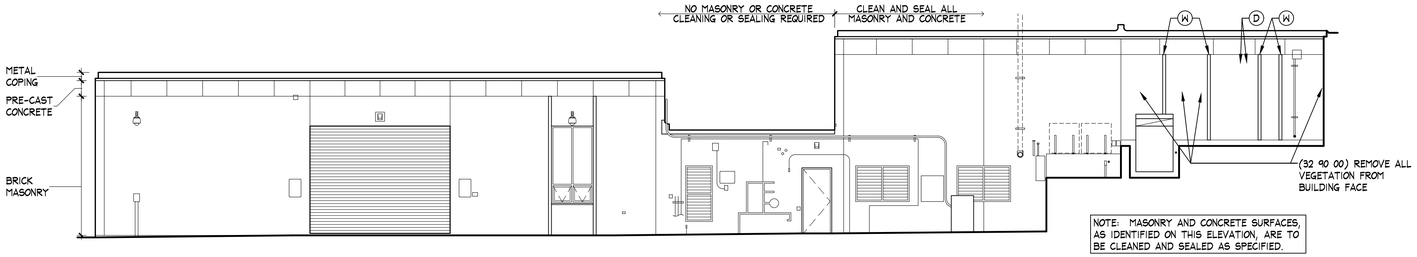
NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

12 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



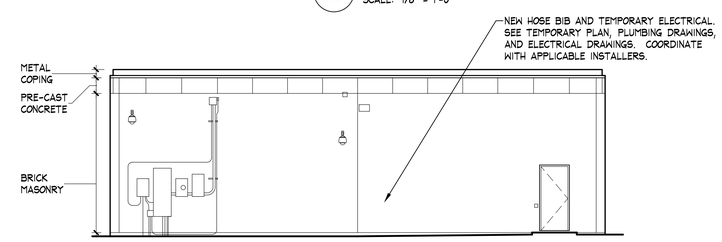
NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

11 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



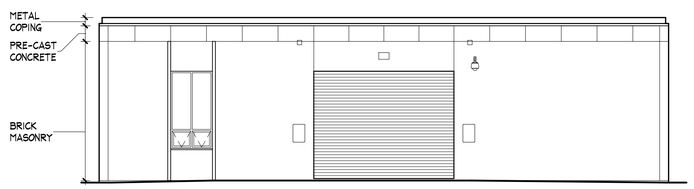
NOTE: MASONRY AND CONCRETE SURFACES, AS IDENTIFIED ON THIS ELEVATION, ARE TO BE CLEANED AND SEALED AS SPECIFIED.

10 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



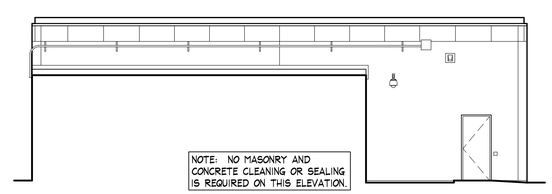
NOTE: NO MASONRY AND CONCRETE CLEANING OR SEALING IS REQUIRED ON THIS ELEVATION.

9 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



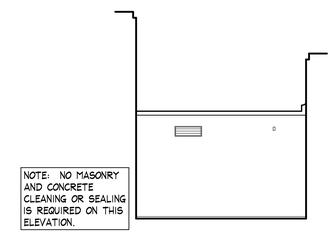
NOTE: NO MASONRY AND CONCRETE CLEANING OR SEALING IS REQUIRED ON THIS ELEVATION.

8 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



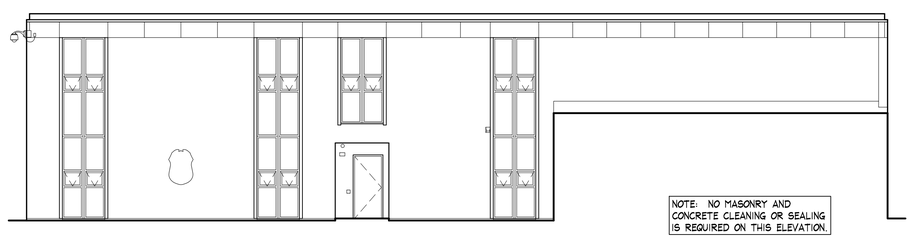
NOTE: NO MASONRY AND CONCRETE CLEANING OR SEALING IS REQUIRED ON THIS ELEVATION.

7 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"



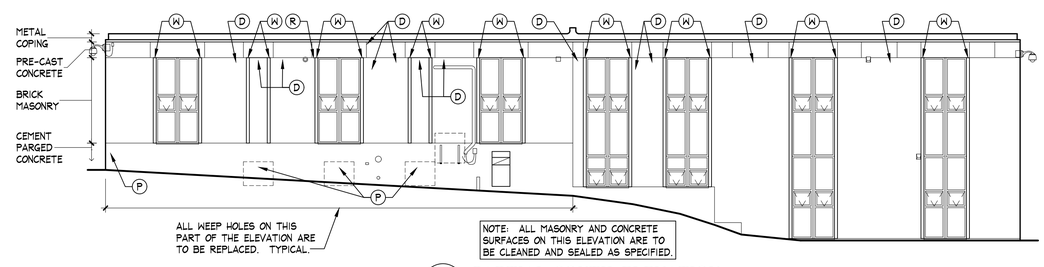
NOTE: NO MASONRY AND CONCRETE CLEANING OR SEALING IS REQUIRED ON THIS ELEVATION.

6 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



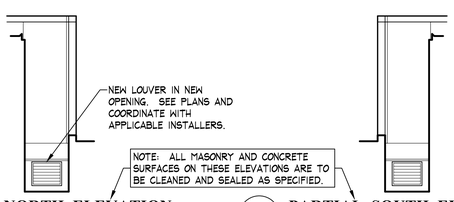
NOTE: NO MASONRY AND CONCRETE CLEANING OR SEALING IS REQUIRED ON THIS ELEVATION.

5 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

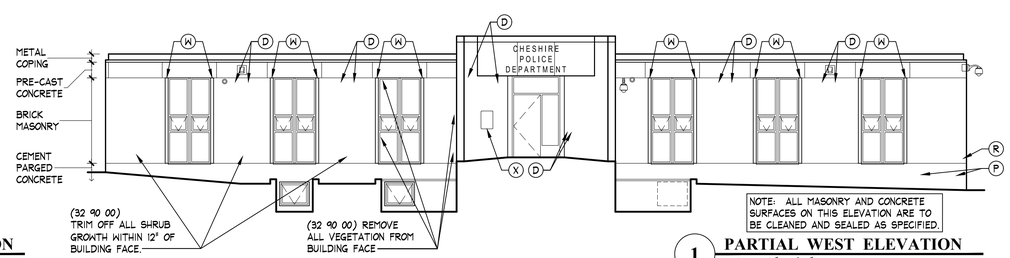
4 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



NOTE: ALL MASONRY AND CONCRETE SURFACES ON THESE ELEVATIONS ARE TO BE CLEANED AND SEALED AS SPECIFIED.

3 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"

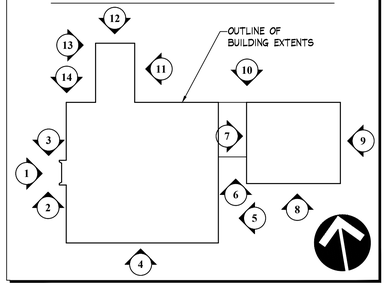
2 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



NOTE: ALL MASONRY AND CONCRETE SURFACES ON THIS ELEVATION ARE TO BE CLEANED AND SEALED AS SPECIFIED.

1 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"

BUILDING KEY PLAN



SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE *BID #2021-15*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

UNIT MASONRY RESTORATION EXTERIOR ELEVATIONS

PROJ. NO.	DRAWING NO.
JH2020	A-4.2
SCALE: As Noted	
DATE: JUNE 1, 2021	

(05 50 00)
KEY LEGEND

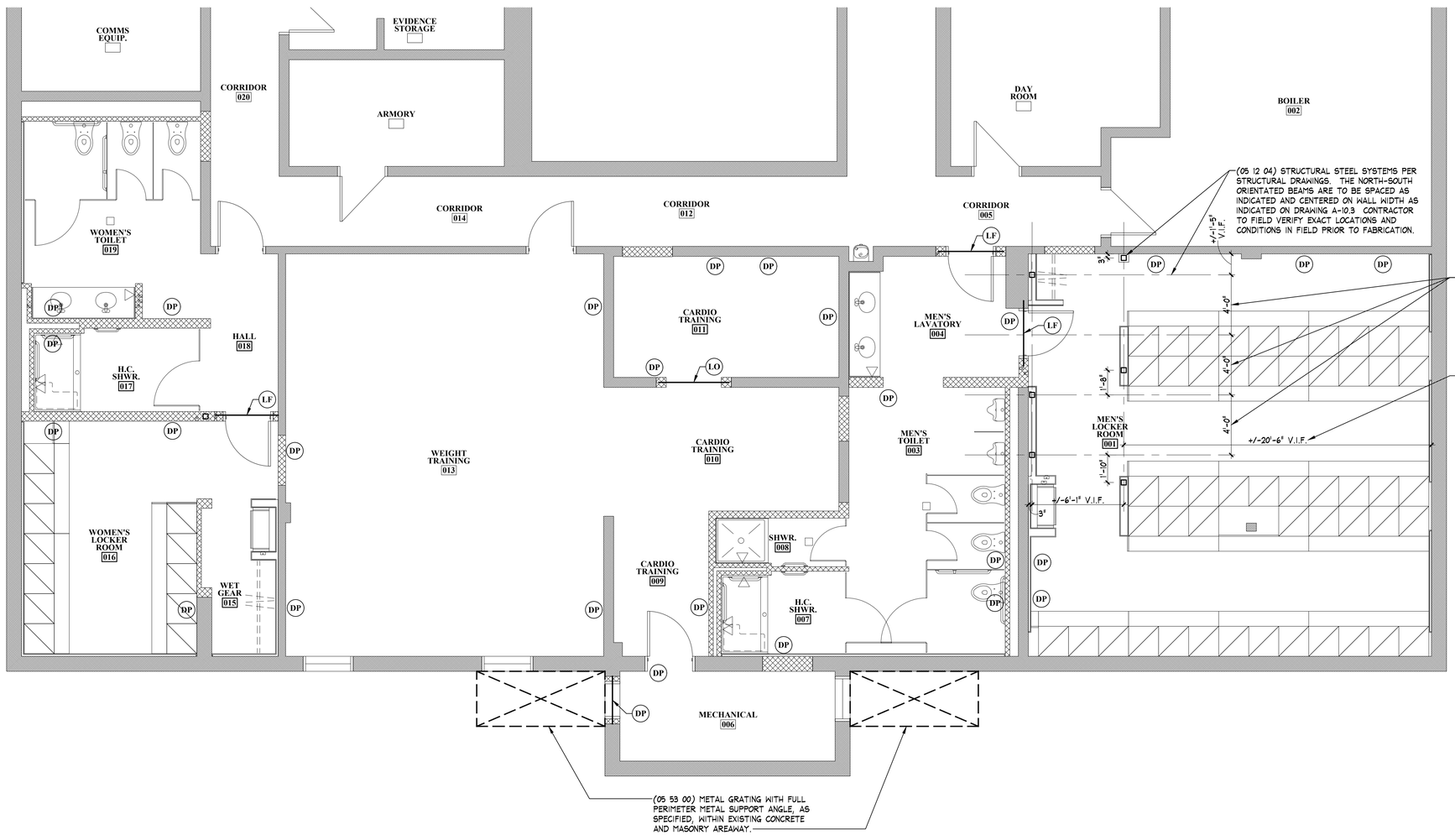
(DP) PROVIDE NEW STEEL LINTEL ASSEMBLY AT HEAD OF DUCT PENETRATION OPENING PER SCHEDULE AND SPECIFICATIONS. COORDINATE OPENING SIZES WITH MECHANICAL CONTRACTOR. SCHEDULE LOCATED ON STRUCTURAL DRAWINGS. TYPICAL.

(LF) PROVIDE NEW STEEL LINTEL ASSEMBLY AT HEAD OF DOOR FRAME PER SCHEDULE, DETAILS, AND SPECIFICATIONS. SCHEDULE LOCATED ON STRUCTURAL DRAWINGS. TYPICAL.

(LO) PROVIDE NEW STEEL LINTEL ASSEMBLY AT HEAD OF WALL OPENING PER SCHEDULE AND SPECIFICATIONS. SCHEDULE LOCATED ON STRUCTURAL DRAWINGS. ALIGN VERTICALLY WITH INSTALLATIONS AT DOOR FRAMES.

GENERAL NOTES

1. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED HEREIN.
2. FOR "(LO)" INSTALLATIONS, EXPOSED SURFACES OF LINTEL ASSEMBLIES ARE TO BE PRIMED AND PAINTED. ENSURE ALL SURFACES ARE CLEAN AND SMOOTH.
3. REFERENCE STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS OF METAL COMPONENTS SHOWN HEREIN. TYPICAL.



0 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 **(SECTION 05 12 00, 05 50 00, & 05 53 00) NEW WORK METALS PARTIAL LOWER LEVEL FLOOR PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT
THE POLICE STATION
TOWN OF CHESHIRE ***BID #2021-15***

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BERLIN, CT 06037
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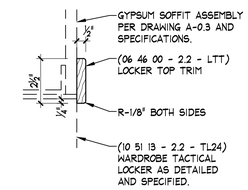
FAX 860-828-9223

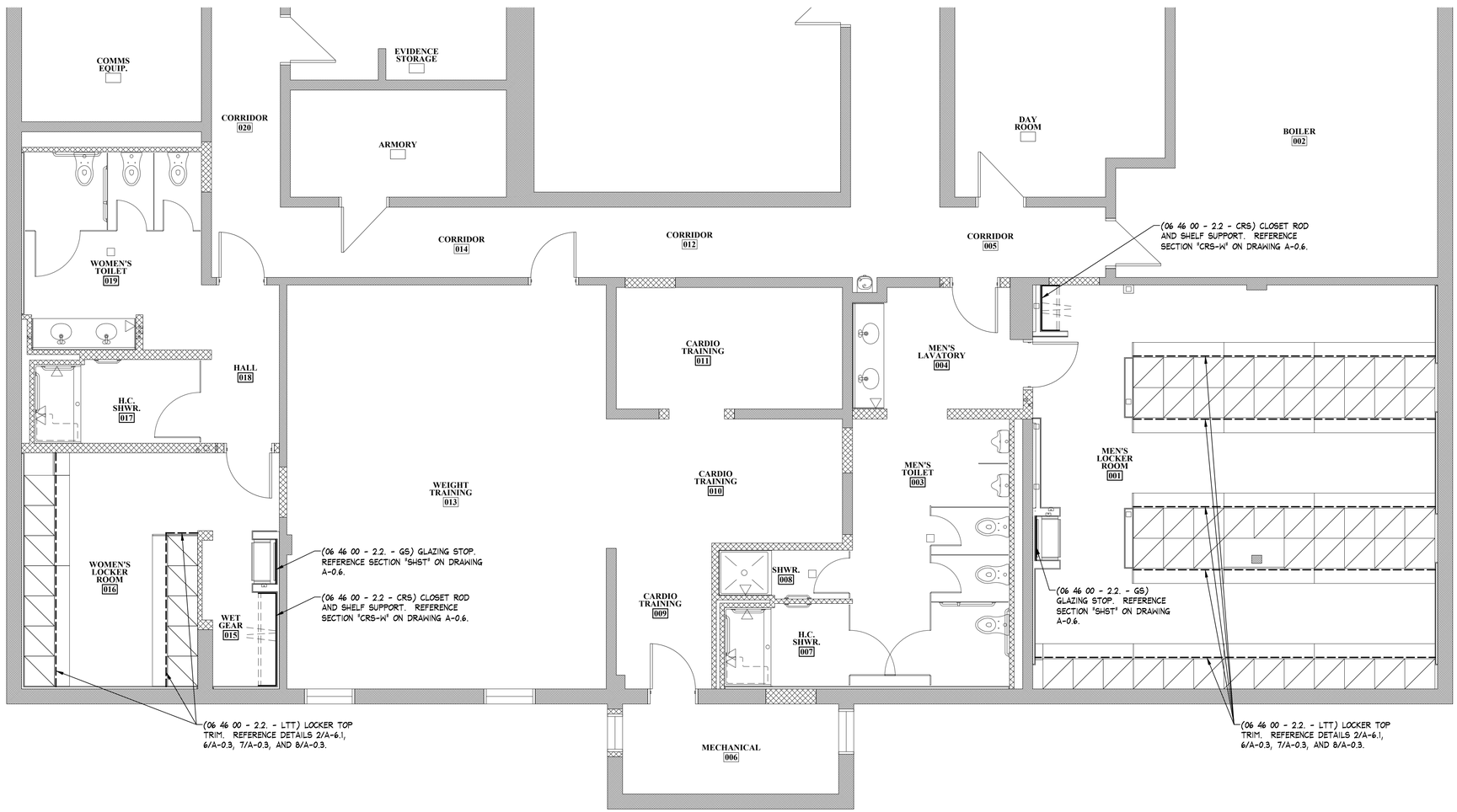
NEW WORK METALS PARTIAL FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH2020	A-5.1
SCALE: As Noted	
DATE: JUNE 1, 2021	



2 (SECTION 06 46 00 - 2.2 - LTT) LOCKER TOP TRIM DETAIL

SCALE: 3" = 1'-0"



0 2' 4' 8'

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

1 (SECTION 06 46 00) NEW WORK WOOD TRIM PARTIAL LOWER LEVEL FLOOR PLAN

SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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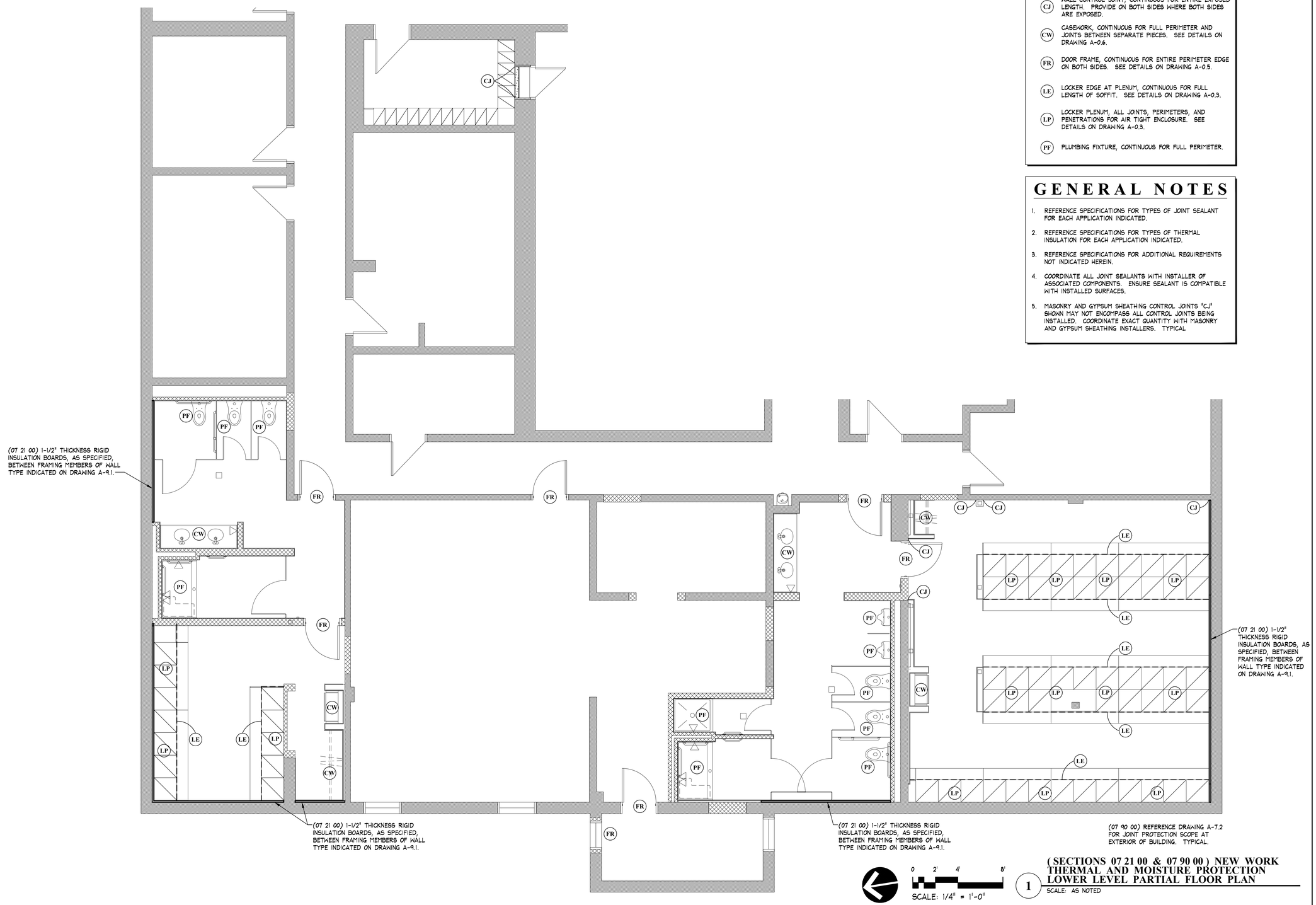
NEW WORK WOOD TRIM PARTIAL FLOOR PLAN

PROJ. NO. JH2020	DRAWING NO. A-6.1
SCALE As Noted	
DATE JUNE 1, 2021	



1 (SECTIONS 07 21 00 & 07 90 00) NEW WORK THERMAL AND MOISTURE PROTECTION LOWER LEVEL PARTIAL FLOOR PLAN
SCALE: AS NOTED

(07 90 00) KEY LEGEND

- (CJ) WALL CONTROL JOINT, CONTINUOUS FOR ENTIRE EXPOSED LENGTH. PROVIDE ON BOTH SIDES WHERE BOTH SIDES ARE EXPOSED.
- (CW) CASEWORK, CONTINUOUS FOR FULL PERIMETER AND JOINTS BETWEEN SEPARATE PIECES. SEE DETAILS ON DRAWING A-0.6.
- (FR) DOOR FRAME, CONTINUOUS FOR ENTIRE PERIMETER EDGE ON BOTH SIDES. SEE DETAILS ON DRAWING A-0.5.
- (LE) LOCKER EDGE AT PLENUM, CONTINUOUS FOR FULL LENGTH OF SOFFIT. SEE DETAILS ON DRAWING A-0.3.
- (LP) LOCKER PLENUM, ALL JOINTS, PERIMETERS, AND PENETRATIONS FOR AIR TIGHT ENCLOSURE. SEE DETAILS ON DRAWING A-0.3.
- (PF) PLUMBING FIXTURE, CONTINUOUS FOR FULL PERIMETER.

GENERAL NOTES

1. REFERENCE SPECIFICATIONS FOR TYPES OF JOINT SEALANT FOR EACH APPLICATION INDICATED.
2. REFERENCE SPECIFICATIONS FOR TYPES OF THERMAL INSULATION FOR EACH APPLICATION INDICATED.
3. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS NOT INDICATED HEREIN.
4. COORDINATE ALL JOINT SEALANTS WITH INSTALLER OF ASSOCIATED COMPONENTS. ENSURE SEALANT IS COMPATIBLE WITH INSTALLED SURFACES.
5. MASONRY AND GYPSUM SHEATHING CONTROL JOINTS "CJ" SHOWN MAY NOT ENCOMPASS ALL CONTROL JOINTS BEING INSTALLED. COORDINATE EXACT QUANTITY WITH MASONRY AND GYPSUM SHEATHING INSTALLERS. TYPICAL

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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FAX 860-828-9223

NEW WORK THERMAL AND MOISTURE PROTECTION PARTIAL FLOOR PLANS

PROJ. NO.	DRAWING NO.
JH2020	A-7.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

(E) EXISTING MOUNTED EQUIPMENT TO REMAIN. REMOVE EXISTING SEALANT AT BUILDING FACE. PROVIDE NEW CONTINUOUS SEALANT AT BUILDING FACE.

(F) AT FENESTRATION (DOORS, WINDOWS, AND LOUVERS) REMOVE EXISTING PERIMETER SEALANT AND ANY ASSOCIATED BACKER RODS. PROVIDE NEW CONTINUOUS PERIMETER BACKER ROD AND SEALANT FOR WEATHER-TIGHT CONDITION.

(T) REMOVE EXISTING SEALANT AND ANY ASSOCIATED BACKER RODS FROM JOINT BETWEEN FACE OF BUILDING AND SIDEWALK/PAVERS. PROVIDE NEW CONTINUOUS BACKER ROD AND SEALANT FOR WEATHER-TIGHT CONDITION.

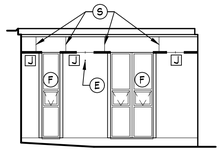
(J) MASONRY CONTROL JOINT. REMOVE EXISTING SEALANT AND ANY ASSOCIATED BACKER RODS. PROVIDE NEW CONTINUOUS BACKER ROD AND SEALANT FOR WEATHER-TIGHT CONDITION.

(S) PRE-CAST CONCRETE PANEL JOINTS. REMOVE EXISTING SEALANT AND ANY ASSOCIATED BACKER RODS. PROVIDE NEW CONTINUOUS BACKER ROD AND SEALANT FOR WEATHER-TIGHT CONDITION.

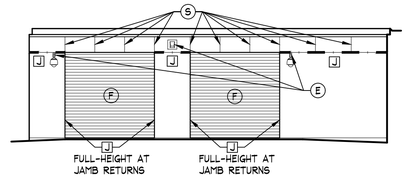
KEY NOTE LEGEND

GENERAL NOTES:

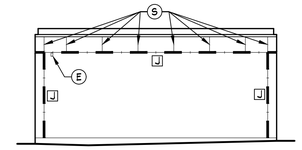
1. THE WORK IDENTIFIED ON THIS DRAWING SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 07 90 00 "JOINT PROTECTION" UNLESS OTHERWISE NOTED.
2. COORDINATE ALL NEW MATERIAL COLOR SELECTIONS WITH OWNER AND ARCHITECT, IN THE FIELD, PRIOR TO PROCUREMENT. THREE (3) COLORS OF SEALANT SHALL BE ANTICIPATED. ONE FOR BRICK/GROUT MATCH, ONE FOR FENESTRATION FRAME MATCH, AND ONE FOR CONCRETE PANEL MATCH.
3. ALL INSTALLATIONS OF SEALANTS SHALL BE PERFORMED AFTER THE MASONRY AND CONCRETE SURFACES HAVE BEEN SEALED, WHERE APPLICABLE.
4. ALL PENETRATIONS IN THE WALL SURFACE ARE TO BE WEATHER SEALED WITH APPLICABLE SEALANT.
5. SEALANT INSTALLER IS REQUIRED TO BE PRESENT FOR REMOVAL OF EXISTING JOINT SEALANTS AND ASSOCIATED BACKER RODS. INSPECT EXISTING SURFACES TO REMAIN AND INFORM ARCHITECT OF ANY DEFICIENT CONDITIONS NOT NOTED TO BE ADDRESSED BY THE MASONRY SCOPE.



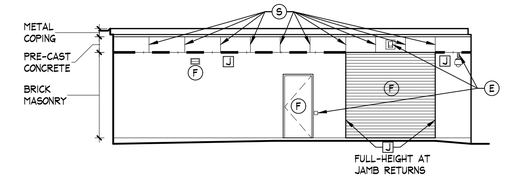
14 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



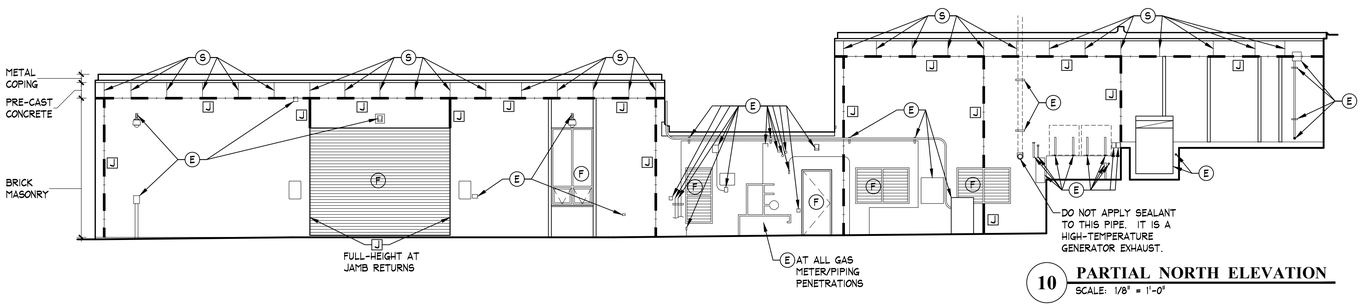
13 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"



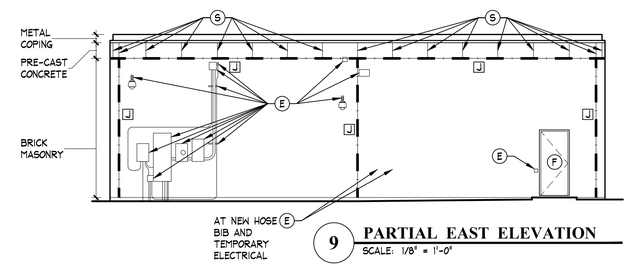
12 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



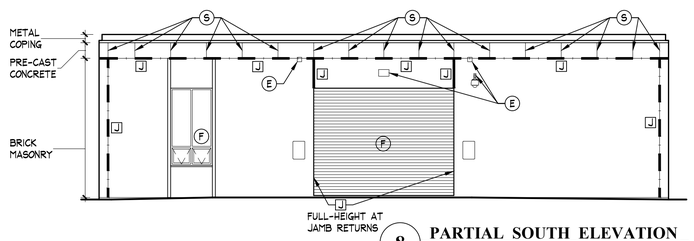
11 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



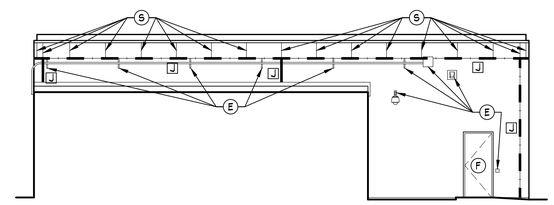
10 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



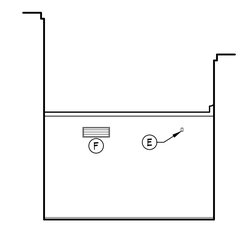
9 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"



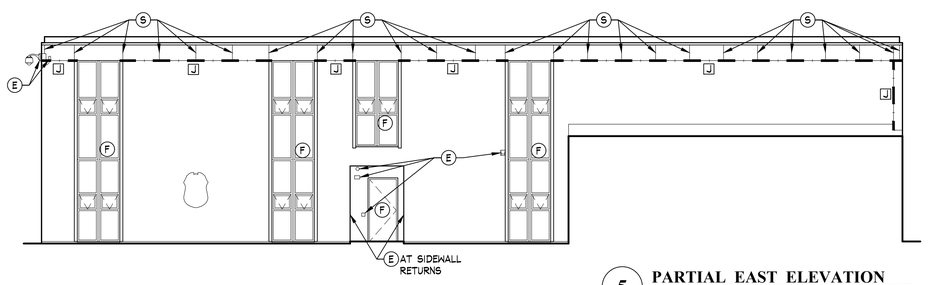
8 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



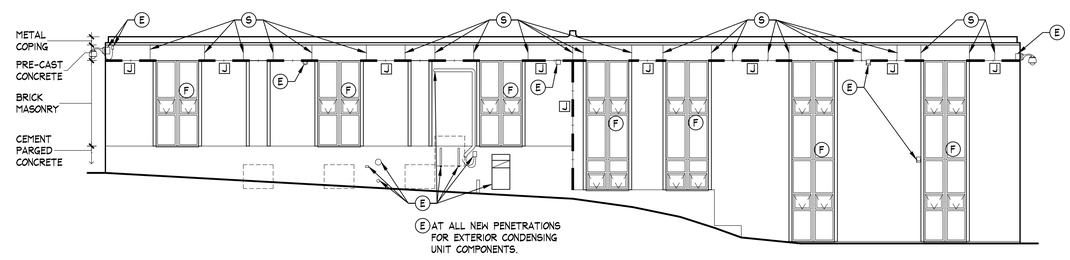
7 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"



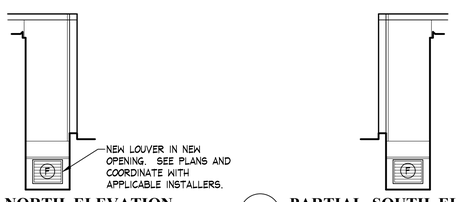
6 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



5 PARTIAL EAST ELEVATION
SCALE: 1/8" = 1'-0"

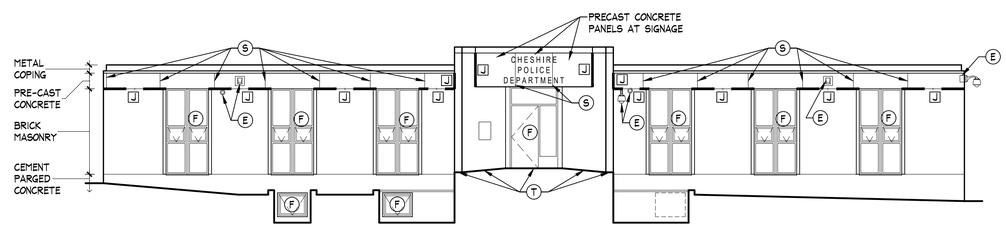


4 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



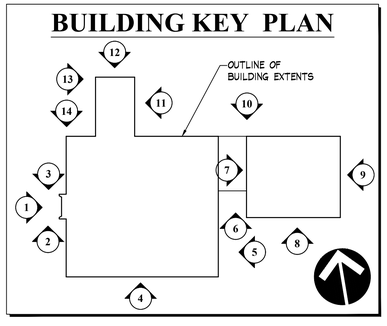
3 PARTIAL NORTH ELEVATION
SCALE: 1/8" = 1'-0"

2 PARTIAL SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



1 PARTIAL WEST ELEVATION
SCALE: 1/8" = 1'-0"

BUILDING KEY PLAN



SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE *BID #2021-15*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

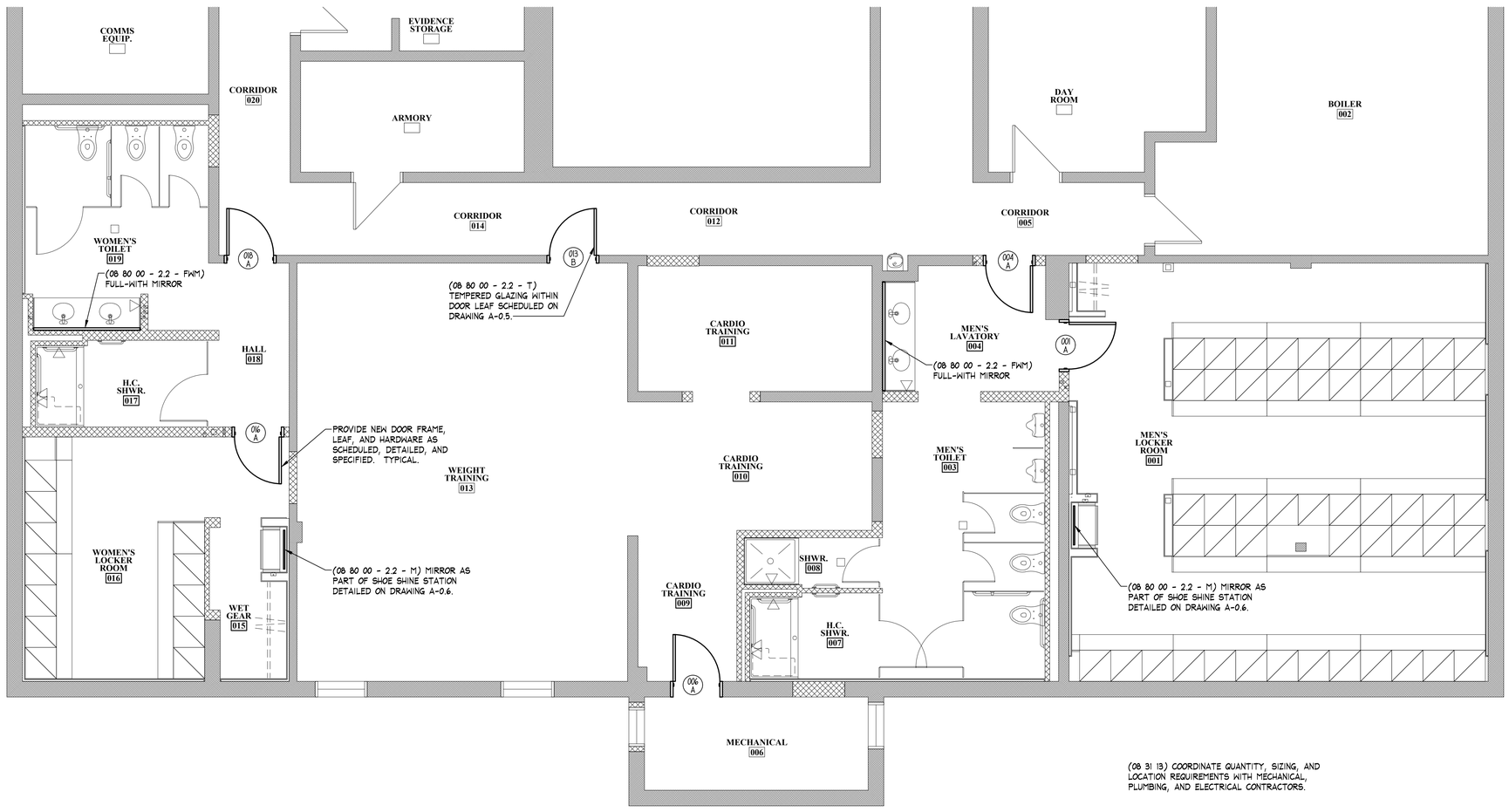
JOINT RESTORATION EXTERIOR ELEVATIONS

PROJ. NO. JH2020	DRAWING NO. A-7.2
SCALE As Noted	
DATE JUNE 1, 2021	

DOOR and FRAME SCHEDULE

Opening Information											Door Information						Frame Information								
Mark #	Qty.	Width	Height	Opg.	Head	Jamb	Sill	Hand	Label	List. Agnt.	Leaf 1 Type	Width	Thick.	Series/ Edge	Mat'l	Core/ Finish	Type/ Series	Ga./ Fin.	Mat'l	Jamb Depth	Wall Type / Thickness	Const.	Jamb Anchor	Base Anchor	Heading
001A	1	3-0	7-0	SGL	H2	J2	FFS	LH			DL-F	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	8-5/8	WB-8 7-5/8	FW	TMA	FA	Per 08 71 00
Notes:	Men's Lavatory to Men's Locker Room										Notes:	ACCESS CONTROLLED OPENING					Notes:	ACCESS CONTROLLED OPENING							
004A	1	3-0	7-0	SGL	H2	J2	MTH	LH			DL-F	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	8-5/8	WB-8 7-5/8	FW	TMA	FA	Per 08 71 00
Notes:	Corridor to Men's Lavatory										Notes:						Notes:								
006A	1	3-0	6-11	SGL	H3	J3	RRS	RHR			DL-F	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	10	E.T.R. 12 V.I.F.	KD	EWA	MSA	Per 08 71 00
Notes:	Cardio Training to Mechanical										Notes:						Notes:								
013B	1	3-0	7-0	SGL	H2	J2	RRS	LHR			DL-R	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	6-5/8	E.T.R. 5-5/8 V.I.F.	KD	EWA	MSA	Per 08 71 00
Notes:	Weight Training to Corridor										Notes:						Notes:								
016A	1	3-0	7-0	SGL	H1	J1	FFS	LH			DL-F	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	8-5/8	WB-8 7-5/8	FW	TMA	FA	Per 08 71 00
Notes:	Hall to Women's Locker Room										Notes:	ACCESS CONTROLLED OPENING					Notes:	ACCESS CONTROLLED OPENING							
018A	1	3-0	7-0	SGL	H2	J2	MTH	RHR			DL-F	3-0	1-3/4	ME	WD	PC CL	G SQ1	16 P	A40	6-5/8	E.T.R. 5-5/8 V.I.F.	KD	EWA	MSA	Per 08 71 00
Notes:	Corridor to Hall										Notes:						Notes:								

GENERAL NOTES:
1. REFERENCE DRAWING A-0.5 FOR LEAF, FRAME, AND COMPONENT TYPES AND DETAILS.
2. REFERENCE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.



0 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 **(SECTIONS 08 11 13, 08 14 00, 08 31 13, 08 71 00, AND 08 80 00)**
NEW WORK OPENINGS PARTIAL LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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NEW WORK OPENINGS PARTIAL FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH2020	***A-8.1***
SCALE: As Noted	
DATE: JUNE 1, 2021	

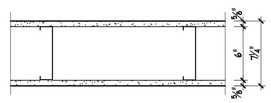
GYPSUM WALL TYPES

WG-2f

⅝" GYPSUM BOARD, 1½" METAL Z-FURRING AT 16" O.C., RIGID INSULATION WHERE APPLICABLE PER THERMAL PLAN

TOTAL THICKNESS: 2⅞".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.



WG-6

⅝" GYPSUM BOARD, 6" METAL STUDS AT 16" O.C., ⅝" GYPSUM BOARD.

TOTAL THICKNESS: 7¼".

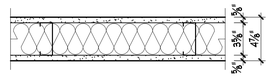
TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE

WG-4

⅝" GYPSUM BOARD, 3⅝" METAL STUDS AT 16" O.C., ⅝" GYPSUM BOARD.

TOTAL THICKNESS: 4⅞".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.



WGA-4

⅝" GYPSUM BOARD, 3⅝" METAL STUDS AT 16" O.C., 3½" UN-FACED FIBERGLASS BATT INSULATION, ⅝" GYPSUM BOARD.

TOTAL THICKNESS: 4⅞".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

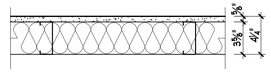
ACOUSTICAL RATING: STC 49.

WG-4f

⅝" GYPSUM BOARD, 3⅝" METAL STUDS AT 16" O.C.

TOTAL THICKNESS: 4¼".

TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.



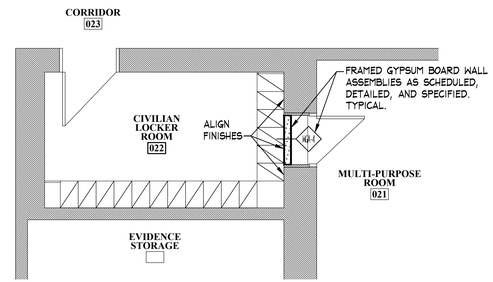
WGA-4f

⅝" GYPSUM BOARD, 3⅝" METAL STUDS AT 16" O.C., 3½" UN-FACED FIBERGLASS BATT INSULATION.

TOTAL THICKNESS: 4¼".

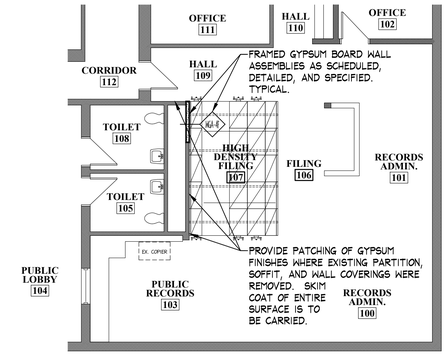
TOTAL HEIGHT: FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE.

ACOUSTICAL RATING: STC 49.



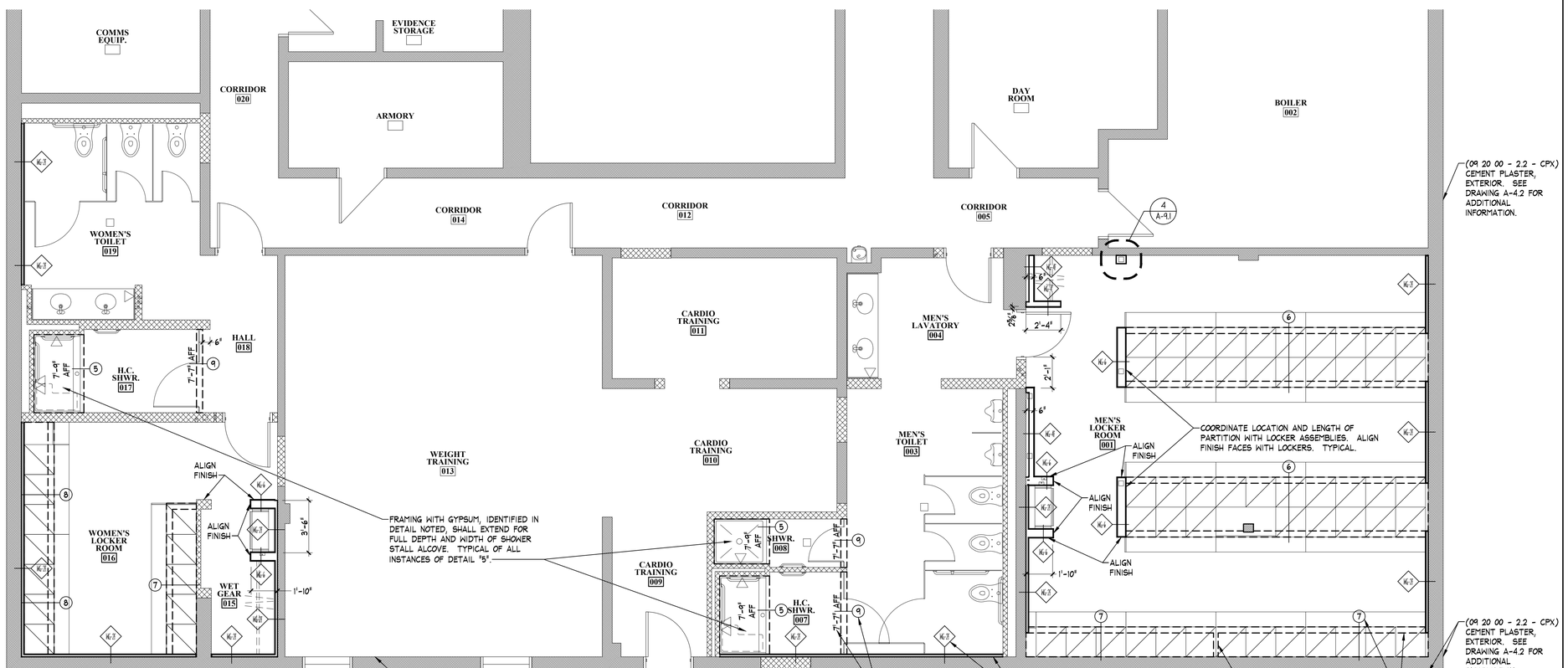
3 (SECTION 09 20 00) NEW WORK GYPSUM BOARD ASSEMBLIES PARTIAL LOWER LEVEL FLOOR PLAN

SCALE: AS NOTED



2 (SECTION 09 20 00) NEW WORK GYPSUM BOARD ASSEMBLIES PARTIAL UPPER LEVEL FLOOR PLAN

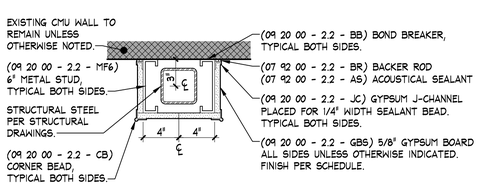
SCALE: AS NOTED



NOTE: COORDINATE WITH FINISH PLAN AND SCHEDULE. PROVIDE TILE BACKER BOARD (09 20 00 - 2.2 - TBB) IN ALL LOCATIONS OF CERAMIC WALL TILE ON METAL STUD FRAMING. TYPICAL.

1 (SECTION 09 20 00) NEW WORK GYPSUM BOARD ASSEMBLIES PARTIAL LOWER LEVEL FLOOR PLAN

SCALE: AS NOTED



4 PLAN DETAIL AT STRUCTURAL COLUMN

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

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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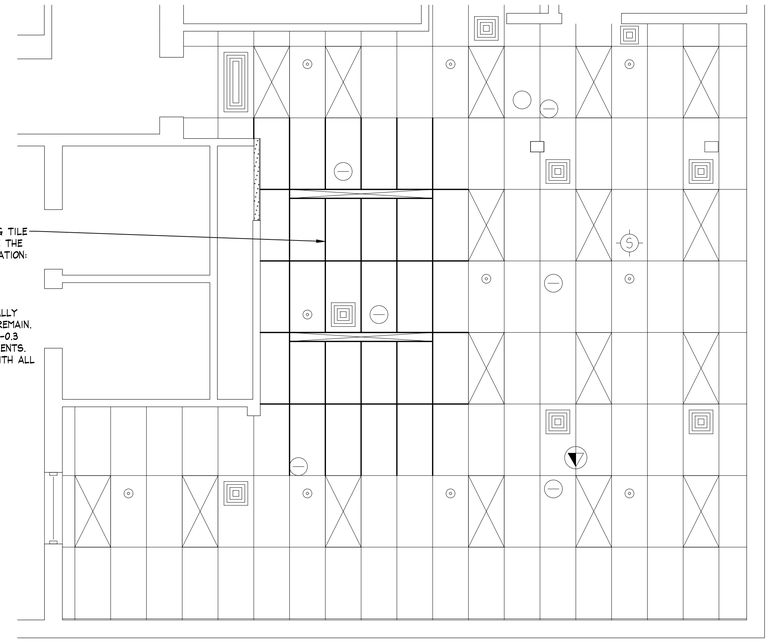
NEW WORK FRAMING AND GYPSUM PARTIAL FLOOR PLANS

PROJ. NO.	DRAWING NO.
JH2020	A-9.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

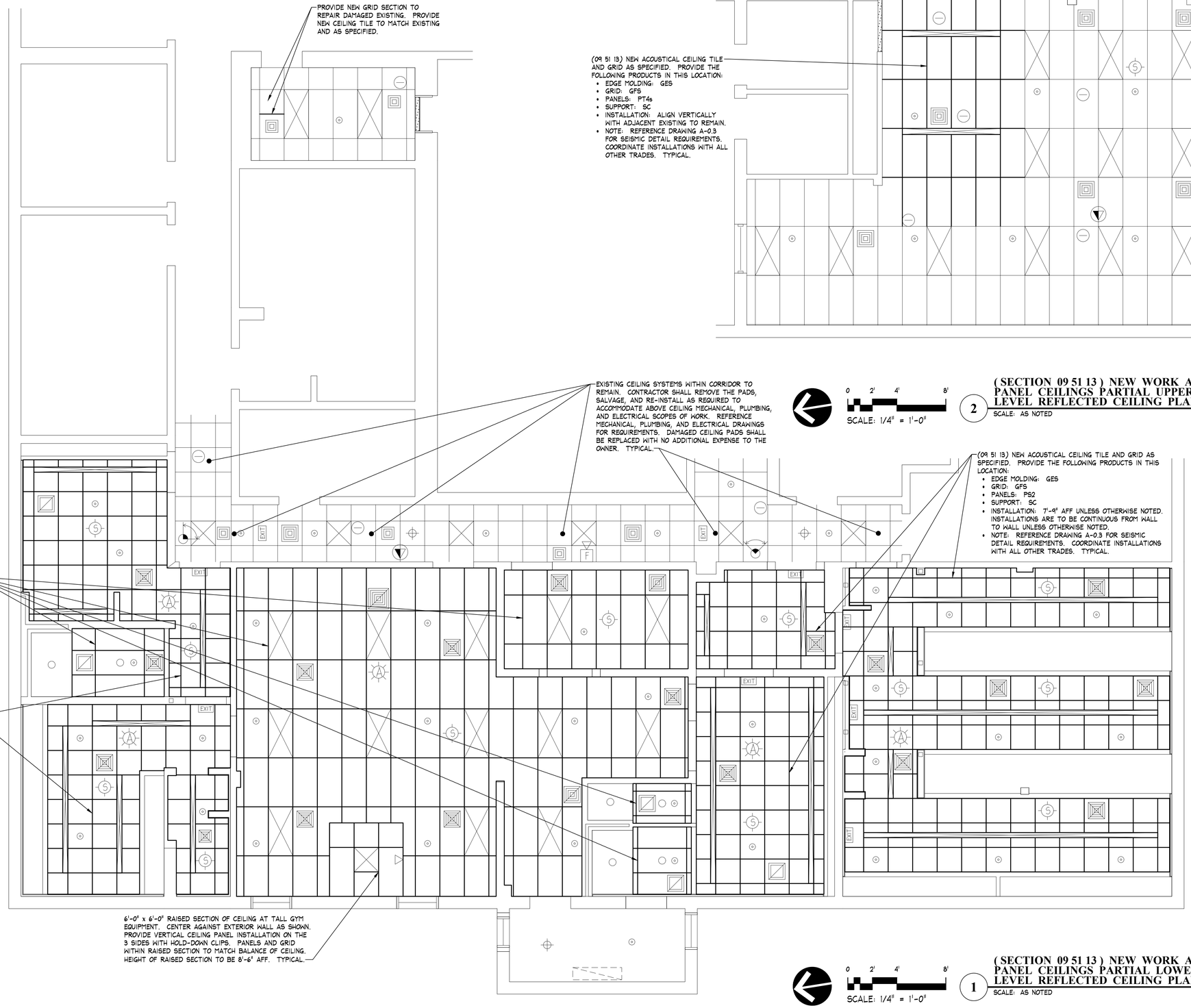


(09 51 13) NEW ACOUSTICAL CEILING TILE AND GRID AS SPECIFIED. PROVIDE THE FOLLOWING PRODUCTS IN THIS LOCATION:
- EDGE MOLDING: GES
- GRID: GFS
- PANELS: PT4s
- SUPPORT: SC
- INSTALLATION: ALIGN VERTICALLY WITH ADJACENT EXISTING TO REMAIN.
- NOTE: REFERENCE DRAWING A-0.3 FOR SEISMIC DETAIL REQUIREMENTS. COORDINATE INSTALLATIONS WITH ALL OTHER TRADES. TYPICAL.

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

2 (SECTION 09 51 13) NEW WORK ACOUSTICAL PANEL CEILINGS PARTIAL UPPER LEVEL REFLECTED CEILING PLAN

SCALE: AS NOTED



PROVIDE NEW GRID SECTION TO REPAIR DAMAGED EXISTING. PROVIDE NEW CEILING TILE TO MATCH EXISTING AND AS SPECIFIED.

EXISTING CEILING SYSTEMS WITHIN CORRIDOR TO REMAIN. CONTRACTOR SHALL REMOVE THE PADS, SALVAGE, AND RE-INSTALL AS REQUIRED TO ACCOMMODATE ABOVE CEILING MECHANICAL, PLUMBING, AND ELECTRICAL SCOPES OF WORK. REFERENCE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR REQUIREMENTS. DAMAGED CEILING PADS SHALL BE REPLACED WITH NO ADDITIONAL EXPENSE TO THE OWNER. TYPICAL.

(09 51 13) NEW ACOUSTICAL CEILING TILE AND GRID AS SPECIFIED. PROVIDE THE FOLLOWING PRODUCTS IN THIS LOCATION:
- EDGE MOLDING: GES
- GRID: GFS
- PANELS: PS2
- SUPPORT: SC
- INSTALLATION: 7'-9" AFF UNLESS OTHERWISE NOTED. INSTALLATIONS ARE TO BE CONTINUOUS FROM WALL TO WALL UNLESS OTHERWISE NOTED.
- NOTE: REFERENCE DRAWING A-0.3 FOR SEISMIC DETAIL REQUIREMENTS. COORDINATE INSTALLATIONS WITH ALL OTHER TRADES. TYPICAL.

(09 51 13) NEW ACOUSTICAL CEILING TILE AND GRID AS SPECIFIED. PROVIDE THE FOLLOWING PRODUCTS IN THIS LOCATION:
- EDGE MOLDING: GES
- GRID: GFS
- PANELS: PS4
- SUPPORT: SC
- INSTALLATION: 7'-9" AFF UNLESS OTHERWISE NOTED. INSTALLATIONS ARE TO BE CONTINUOUS FROM WALL TO WALL UNLESS OTHERWISE NOTED.
- NOTE: REFERENCE DRAWING A-0.3 FOR SEISMIC DETAIL REQUIREMENTS. COORDINATE INSTALLATIONS WITH ALL OTHER TRADES. TYPICAL.

(09 51 13) NEW ACOUSTICAL CEILING TILE AND GRID AS SPECIFIED. PROVIDE THE FOLLOWING PRODUCTS IN THIS LOCATION:
- EDGE MOLDING: GES
- GRID: GFS
- PANELS: PS2
- SUPPORT: SC
- INSTALLATION: 7'-9" AFF UNLESS OTHERWISE NOTED. INSTALLATIONS ARE TO BE CONTINUOUS FROM WALL TO WALL UNLESS OTHERWISE NOTED.
- NOTE: REFERENCE DRAWING A-0.3 FOR SEISMIC DETAIL REQUIREMENTS. COORDINATE INSTALLATIONS WITH ALL OTHER TRADES. TYPICAL.

6'-0" x 6'-0" RAISED SECTION OF CEILING AT TALL GYM EQUIPMENT. CENTER AGAINST EXTERIOR WALL AS SHOWN. PROVIDE VERTICAL CEILING PANEL INSTALLATION ON THE 3 SIDES WITH HOLD-DOWN CLIPS. PANELS AND GRID WITHIN RAISED SECTION TO MATCH BALANCE OF CEILING. HEIGHT OF RAISED SECTION TO BE 8'-6" AFF. TYPICAL.

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

1 (SECTION 09 51 13) NEW WORK ACOUSTICAL PANEL CEILINGS PARTIAL LOWER LEVEL REFLECTED CEILING PLAN

SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

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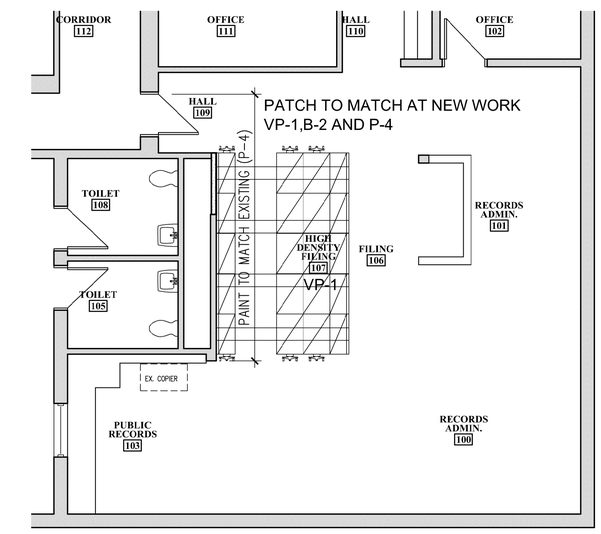
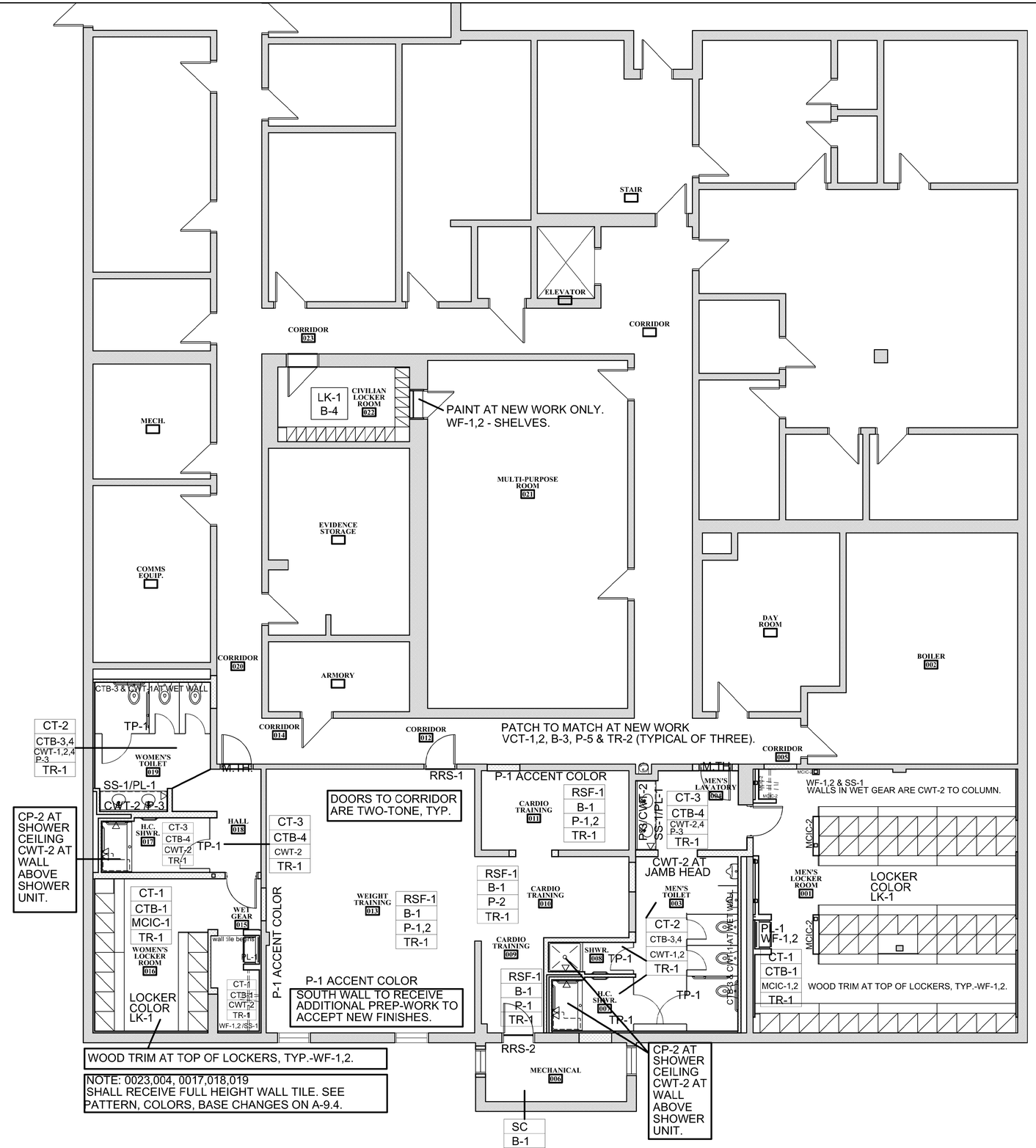
NEW WORK CEILINGS PARTIAL REFLECTED CEILING PLANS

PROJ. NO.	DRAWING NO.
JH2020	A-9.2
SCALE: As Noted	
DATE: JUNE 1, 2021	





0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

2 **PARTIAL UPPER LEVEL FINISHES PLAN**
SCALE: AS NOTED

0 2' 4' 7' 11'
SCALE: 3/16" = 1'-0"

1 **PARTIAL LOWER LEVEL FINISHES PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE ***BID #2021-15***

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NEW WORK FINISHES PARTIAL FLOOR PLANS

PROJ. NO. JH2020
SCALE As Noted
DATE JUNE 1, 2021
DRAWING NO. ***A-9.3***

Legend

X - #	Floor Finish
X - #	Base
X - #	Wall Finish
X - #	Door Frame Finish

B	BASE / RUBBER
CB	CERAMIC BASE
CC	CUBICLE CURTAIN
CONC	CONCRETE
CP	CEILING PAINT
C	CARPET TILE
CT	CERAMIC & PORCELAIN TILE
CWT	CERAMIC WALL TILE
D	DOOR FINISH
E	EPOXY FLOOR FINISH
EB	EPOXY BASE
EP	EPOXY WALL PAINT
ESD	ESD VINYL FLOOR
FRP	FIBER REINFORCED PANEL
LK	LOCKERS
M	WALK OFF MAT
MCIC	MULTI-COLORED INTERIOR COATING
MES	METAL EDGE STRIP
M. TH	MARBLE THRESHOLD
P	PAINT
PL	PLASTIC LAMINATE
R	RUBBER TILE
RRS	RESILIENT REDUCING STRIP
RSF	RUBBER SPORTS FLOORING
RSTR	RESILIENT STAIR/TREAD/RISER
S/C	SEALED CONCRETE
SHP	SEALED, HARDENED, POLISHED CONCRETE SEE DIV. 09460
SS	SOLID SURFACE MATERIAL
ST	STAINLESS STEEL
SVT	SOLID VINYL TILE
TH	THRESHOLD
TP	TOILET PARTITIONS
TR	TRIM (PAINTED)
VCT	VINYL COMPOSITION TILE
VET	VINYL ENHANCED TILE
VP	VINYL PLANK
WDB	WOOD STRAIGHT BASE
WDC	WOOD CABINETRY
WF	WOOD FINISH
WMP	WIRE MESH PARITIONS
WP	SHEET WALL PROTECTION
WS	WINDOW SILLS
WW	WOOD WAINSCOT-BEADBOARD

Finish Key

CODE	MANUFACTURER	MATERIAL / STYLE	PATTERN	COLOR	REMARKS / SPECIFICATIONS
Flooring & Base					
CT-1	CROSSVILLE	COLOR BLOX -12X24	A1115	CAMP SITE	GT-1 MAPEI-CQ- PECAN 112
CT-2	DALTILE	COLOR BLOX MOSAICS-3X3	A1115	CAMP SITE	GT-1 MAPEI-CQ- PECAN 112
CT-3	DALTILE	KEYSTONES 2X2	D618	CASTLEROCK	GT-2 MAPEI-CQ- PEARL GRAY 19
RSF-1	JOHNSONITE	REPLAY	SPECKLED SKY	ROLL	FULL GLUE DOWN
SC	SHERWIN WILLIAMS	HC WET LOOK SEALER			
VCT-1	ARMSTRONG WORLD INDUST.	PREMIUM EXCELON	51911	CLASSIC WHITE	FOR PATCH TO MATCH
VCT-2	ARMSTRONG WORLD INDUST.	PREMIUM EXCELON	51874	GRAYED BLUE	FOR PATCH TO MATCH
VP-1	MILLKEN COMMERCIAL	CHANGE AGENT	RELIC	ELIXIR -REL 108	FOR PATCH TO MATCH
Bases					
B-1	MOHAWK GROUP	RUBBER BASE - 6"	#40	BLACK	
B-2	MOHAWK GROUP	RUBBER BASE - 4"	#48	GREY WG	FOR PATCH TO MATCH
B-3	MOHAWK GROUP	RUBBER BASE - 4"	TBD	xxxxxx	FOR PATCH TO MATCH CORRIDOR
B-4	MOHAWK GROUP	RUBBER BASE - 6"	#40	BLACK	
CTB-1	CROSSVILLE (BULLNOSE TOP)	COLOR BLOX MOSAICS-6"X12" UNIVERSAL COVE	A1115	CAMP SITE	GT-1 MAPEI-CQ- PECAN 112
CTB-2	DALTILE (S-3619T)	CLASSIC- 6"X6" BULLNOSE cove	X714	MATTE DESERT GREY	GT-4 MAPEI-CQ- SILVER 27
CTB-3	DALTILE (A-3601)	CLASSIC- 6"X6" flat top cove	NAVY 189	GLOSS	GT-3 MAPEI-CQ- CHARCOAL 47
CTB-4	DALTILE (A-3601)	CLASSIC- 6"X6" flat top cove	X714	MATTE DESERT GREY	GT-4 MAPEI-CQ- SILVER 27
Walls- interior					
MCIC-1	ZOLOTONE PAINTS	Polomyx Airless	PXA-02450	(light grey)	
MCIC-2	ZOLOTONE PAINTS	Polomyx Airless	PXA-02459	(med grey blue)	
P-1	SHERWIN WILLIAMS	Waterbased- Satin Finish Wall Paint	SW9150	ENDLESS SEA	ACCENT FOR WEIGHT TRAINING
P-2	SHERWIN WILLIAMS	Waterbased- Satin Finish Wall Paint	SW7659	GRIS	WEIGHT TRAINING
P-3	SHERWIN WILLIAMS	Waterbased- Satin Finish Wall Paint	SW7657	TINSMITH	BASIC WALL COLOR
P-4	SHERWIN WILLIAMS	Waterbased- Satin Finish Wall Paint	SW0028	CAEN STONE	FOR PATCH TO MATCH- ML
P-5	SHERWIN WILLIAMS	Waterbased- Satin Finish Wall Paint	SW7657	TINSMITH	FOR PATCH TO MATCH- LL (formualte to match Ben Moore Scuff Tuff)
P-6	SHERWIN WILLIAMS	Water Resistant Ceiling Paint	SW7657	TINSMITH	
WF-1 (Stain)	SHERWIN WILLIAMS/ MINWAX	Waterbased- Stain	NAVY	MW471	* Custom navy based on this color. Architect to approve.
WF-2 (Poly)	SHERWIN WILLIAMS/ MINWAX	Fast Drying- Polyeurthane-350VOC	Clear	3190200000	
CWT-1	DALTILE	CLASSIC 3" x 6"	COLBALT	DM14 (3)	GT-3 MAPEI-CQ- CHARCOAL 47.
CWT-2	DALTILE	CLASSIC 3"X 6"	MATTE DESERT GREY	x714 (1)	GT-4 MAPEI-CQ- SILVER 27. SEE NOTE 7 ON THIS SHEET.
Door Frames / Misc.					
TR-1	SHERWIN WILLIAMS	Waterbase-Interior Semi-Gloss	SW7659	GRIS	INTERIOR DOOR FRAMES
TR-2	SHERWIN WILLIAMS	Waterbase-Interior Semi-Gloss	SWXXXX	XXXX	Door Frames at Corridor- side.
Ceilings Non-factory Fin.					
CP-1	SHERWIN WILLIAMS	STANDARD Ceiling Paint	Classic	White	Gypsum Board
CP-2	SHERWIN WILLIAMS	Water Resistant Ceiling Paint	Classic	White	at shower rooms
MISC					
SS-1	DUPONT CORIAN	SOLID SURFACE	SORRELL		COUNTERTOPS
PL-1	WILSONART	PLASTIC LAMINATE	TWILIGHT ZEPHYR	4845-60	BOOT WASH AND OTHER MISC. APRONS ETC.
LK-1	LINCORA GROUP	LOCKER- PAINT COLOR	DARK GREY	910-9064	
TP-1	BOBRICK	PHENOLIC TOILET PARTITIONS	GRAPHITE GRAPHIX	515-58	
M.TH.	XXXXX	MARBLE THRESHOLD	GREY MARBLE	XXXXXX	
RRS-1	JOHNSONITE	CTA -XX-K	BLACK	XXXXX	FROM SPORTS FLOOR TO VCT
RRS-2	JOHNSONITE	CRS - XX-B	BLACK	XXXXX	FROM SPORTS FLOOR TO SC

General Notes

1	All interior faces of non-factory finished doors and door frames to be painted.
2	All floor finishes to extend to the wall. this includes going under casework.
3	See A-9.1 for soffits & ceilings to receive paint. All gypsum soffits to receive paint.
4	All receptacles, switches, etc as grey.
5	All new work marble thresholds to be travertine beige.
6	All new radiator colors - light grey.
7	CWT-2 (SUBWAY TILE) will run horizontally in a brick joint style. tile is full height.
8	CWT-1 is a wall tile 8"x8" that works with CTB-3 (6"x6" flat base tile). The placement on the wall shall create a diamond shape pattern. See pattern below. This tile is full height.

4D Design & Decorating
DEANNA S. DEWEY, NCIDQ
Owner, Interior Designer
127 Park Road, West Hartford, CT 06119
Primary: 860-716-2363
email: 4Ddesign@comcast.net
web: www.4Ddesigndec.com

SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE *BID #2021-15*

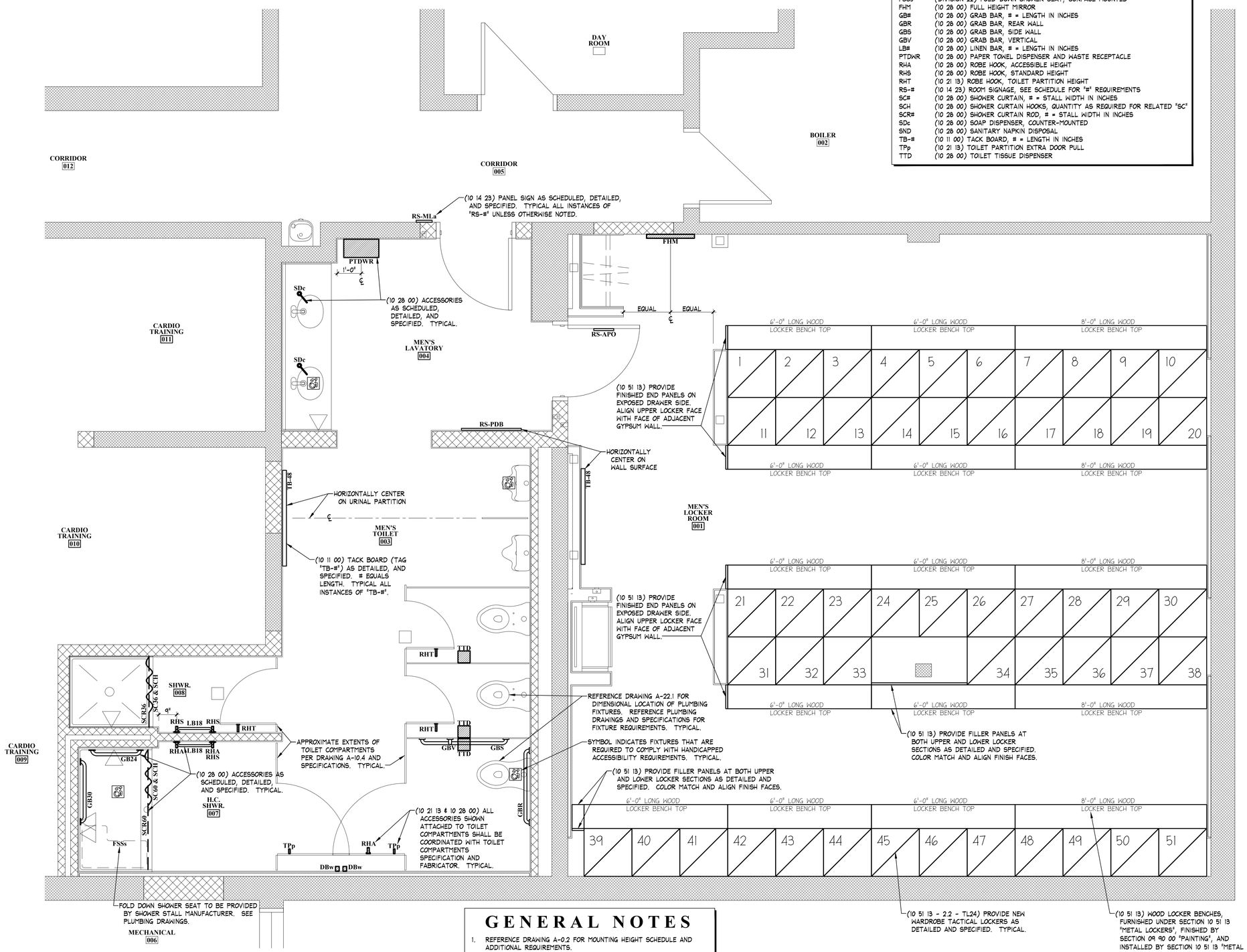
JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

FINISH SCHEDULE

PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	*A9.4*
DATE JUNE 1,2021	

TAG LEGEND

DBw	(10 28 00) DOOR BUMPER, WALL MOUNTED
FSSs	(DIVISION 22) FOLD-DOWN SHOWER SEAT, SURFACE MOUNTED
FHM	(10 28 00) FULL HEIGHT MIRROR
GB#	(10 28 00) GRAB BAR, # = LENGTH IN INCHES
GBR	(10 28 00) GRAB BAR, REAR WALL
GBS	(10 28 00) GRAB BAR, SIDE WALL
GBV	(10 28 00) GRAB BAR, VERTICAL
LB#	(10 28 00) LINEN BAR, # = LENGTH IN INCHES
PTDWR	(10 28 00) PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
RHA	(10 28 00) ROBE HOOK, ACCESSIBLE HEIGHT
RHS	(10 28 00) ROBE HOOK, STANDARD HEIGHT
RHT	(10 21 13) ROBE HOOK, TOILET PARTITION HEIGHT
RS-#	(10 14 23) ROOM SIGNAGE, SEE SCHEDULE FOR "#" REQUIREMENTS
SC#	(10 28 00) SHOWER CURTAIN, # = STALL WIDTH IN INCHES
SCH	(10 28 00) SHOWER CURTAIN HOOKS, QUANTITY AS REQUIRED FOR RELATED "SC"
SCR#	(10 28 00) SHOWER CURTAIN ROD, # = STALL WIDTH IN INCHES
SDc	(10 28 00) SOAP DISPENSER, COUNTER-MOUNTED
SND	(10 28 00) SANITARY NAPKIN DISPOSAL
TB-#	(10 11 00) TACK BOARD, # = LENGTH IN INCHES
TPp	(10 21 13) TOILET PARTITION EXTRA DOOR PULL
TTD	(10 28 00) TOILET TISSUE DISPENSER



GENERAL NOTES

1. REFERENCE DRAWING A-0.2 FOR MOUNTING HEIGHT SCHEDULE AND ADDITIONAL REQUIREMENTS.
2. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
3. REFERENCE BALANCE OF DRAWINGS FOR WALL FINISHES, COMPONENTS, EQUIPMENT, AND ACCESSORIES THAT MAY IMPACT LOCATIONS AND/OR DIMENSIONS SHOWN.
4. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

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

1 (SECTIONS 10 11 00, 10 14 23, 10 28 00, 10 51 00, AND 10 51 13)
NEW WORK SPECIALTIES PARTIAL LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT
THE POLICE STATION
TOWN OF CHESHIRE *BID #2021-15*

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NEW WORK SPECIALTIES PARTIAL LOWER LEVEL FLOOR PLAN

PROJ. NO. JH2020	DRAWING NO. A-10.1
SCALE As Noted	
DATE JUNE 1, 2021	

GENERAL NOTES

1. REFERENCE DRAWING A-0.2 FOR MOUNTING HEIGHT SCHEDULE AND ADDITIONAL REQUIREMENTS.
2. REFER TO PLUMBING DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL FIXTURE INFORMATION.
3. REFERENCE BALANCE OF DRAWINGS FOR WALL FINISHES, COMPONENTS, EQUIPMENT, AND ACCESSORIES THAT MAY IMPACT LOCATIONS AND/OR DIMENSIONS SHOWN.
4. REFERENCE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

TAG LEGEND

DBw	(10 28 00) DOOR BUMPER, WALL MOUNTED
FSSs	(DIVISION 22) FOLD-DOWN SHOWER SEAT, SURFACE MOUNTED
FHM	(10 28 00) FULL HEIGHT MIRROR
GB#	(10 28 00) GRAB BAR, # = LENGTH IN INCHES
GBR	(10 28 00) GRAB BAR, REAR WALL
GBS	(10 28 00) GRAB BAR, SIDE WALL
GBV	(10 28 00) GRAB BAR, VERTICAL
LB#	(10 28 00) LINEN BAR, # = LENGTH IN INCHES
PTDWR	(10 28 00) PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
RHA	(10 28 00) ROBE HOOK, ACCESSIBLE HEIGHT
RHS	(10 28 00) ROBE HOOK, STANDARD HEIGHT
RHT	(10 21 13) ROBE HOOK, TOILET PARTITION HEIGHT
RS-#	(10 14 23) ROOM SIGNAGE, SEE SCHEDULE FOR "#" REQUIREMENTS
SC#	(10 28 00) SHOWER CURTAIN, # = STALL WIDTH IN INCHES
SCH	(10 28 00) SHOWER CURTAIN HOOKS, QUANTITY AS REQUIRED FOR RELATED "SC"
SCR#	(10 28 00) SHOWER CURTAIN ROD, # = STALL WIDTH IN INCHES
SDc	(10 28 00) SOAP DISPENSER, COUNTER-MOUNTED
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TB-#	(10 11 00) TACK BOARD, # = LENGTH IN INCHES
TPp	(10 21 13) TOILET PARTITION EXTRA DOOR PULL
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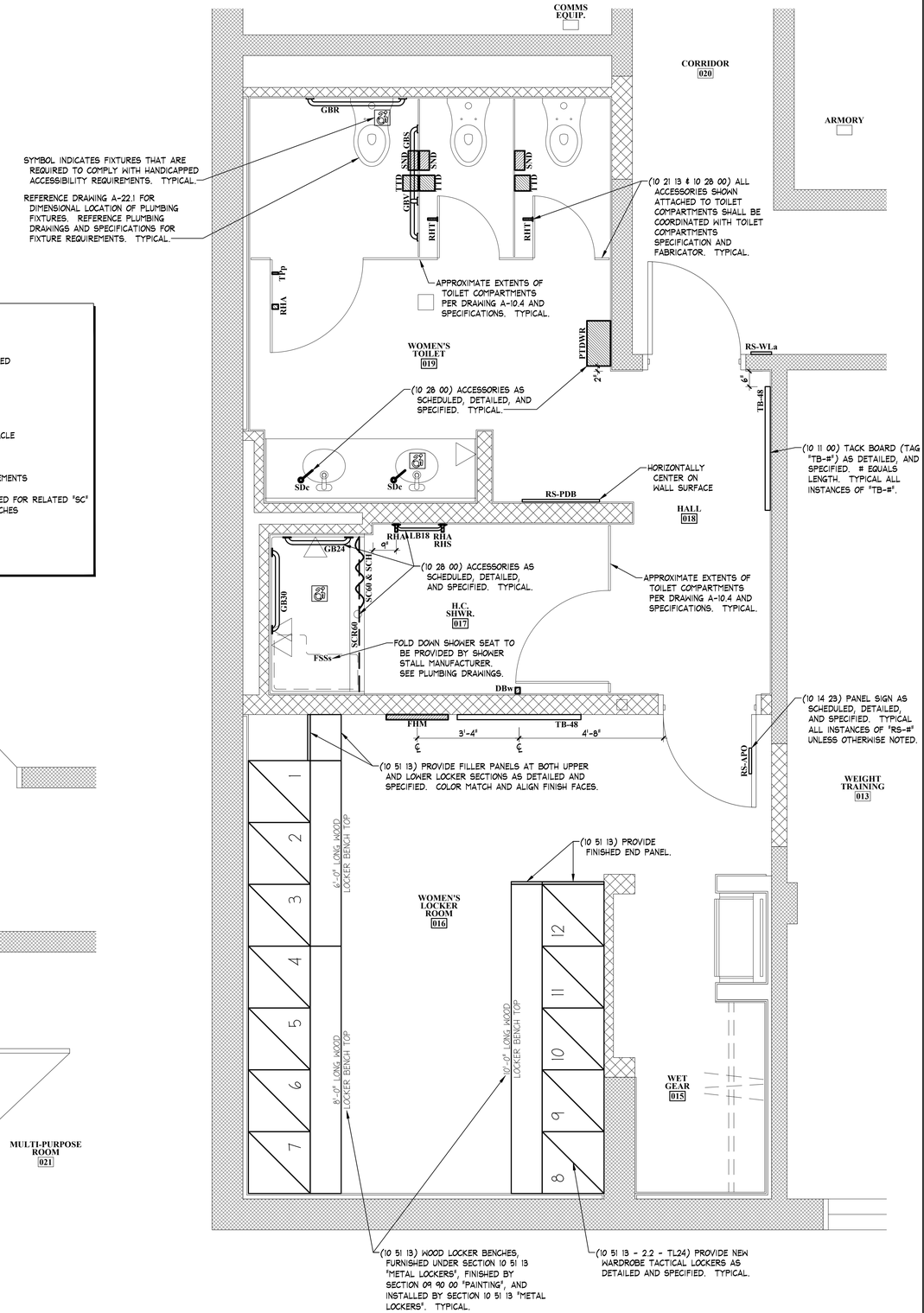

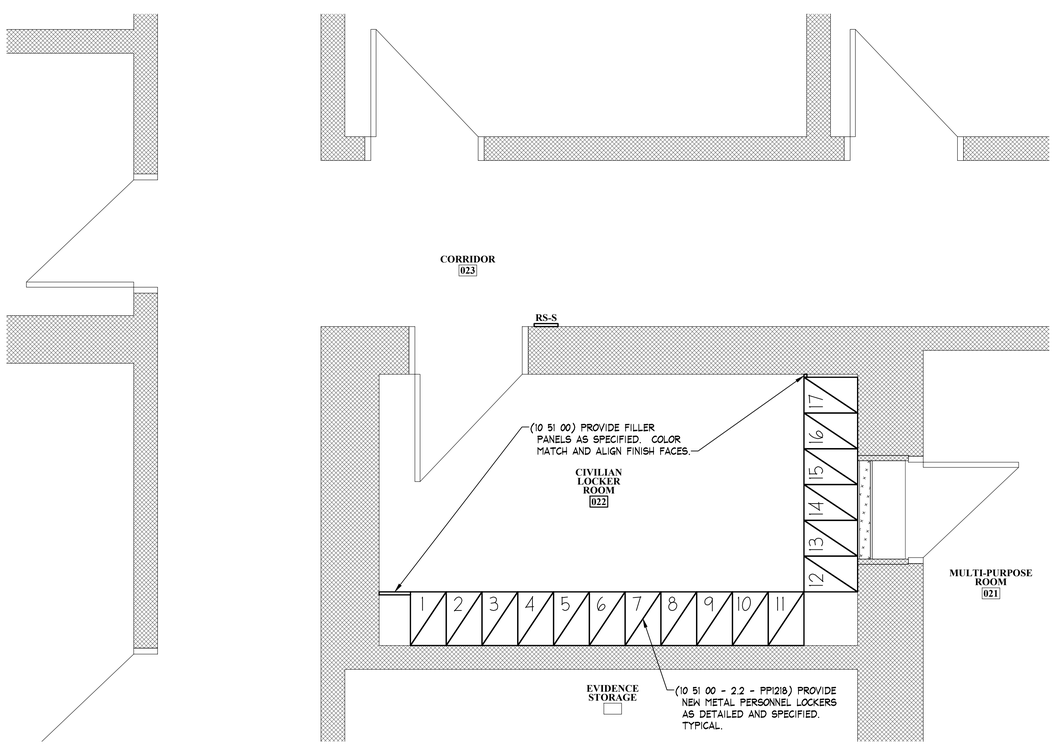

0 1' 2' 4'
SCALE: 1/2" = 1'-0"

2 (SECTION 10 51 00) NEW WORK SPECIALTIES PARTIAL LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

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

1 (SECTIONS 10 11 00, 10 14 19, 10 14 23, 10 28 00, 10 51 00, AND 10 51 13) NEW WORK SPECIALTIES PARTIAL LOWER LEVEL FLOOR PLAN
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT
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TOWN OF CHESHIRE BID #2021-15

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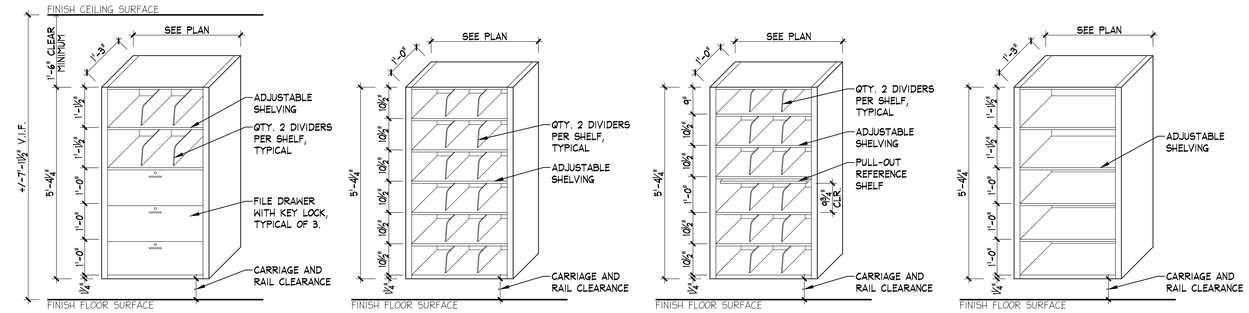
NEW WORK SPECIALTIES PARTIAL LOWER LEVEL FLOOR PLANS

PROJ. NO. JH2020	DRAWING NO. A-10.2
SCALE As Noted	
DATE JUNE 1, 2021	

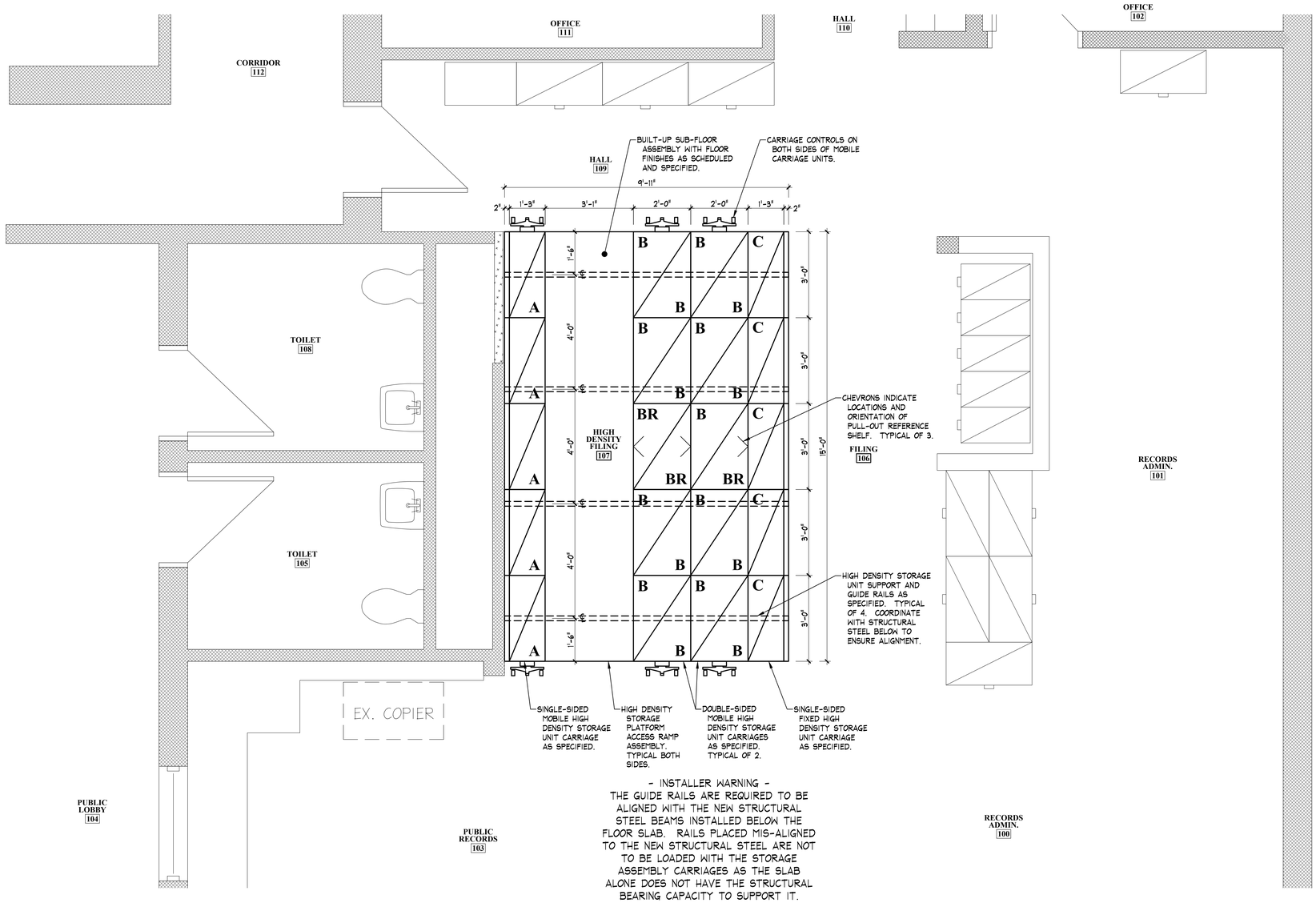


UNIT A
SCALE: NTS

UNIT B
SCALE: NTS

UNIT BR
SCALE: NTS

UNIT C
SCALE: NTS



- INSTALLER WARNING -
THE GUIDE RAILS ARE REQUIRED TO BE ALIGNED WITH THE NEW STRUCTURAL STEEL BEAMS INSTALLED BELOW THE FLOOR SLAB. RAILS PLACED MIS-ALIGNED TO THE NEW STRUCTURAL STEEL ARE NOT TO BE LOADED WITH THE STORAGE ASSEMBLY CARRIAGES AS THE SLAB ALONE DOES NOT HAVE THE STRUCTURAL BEARING CAPACITY TO SUPPORT IT.

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

1 **(SECTION 10 56 00) SPECIALTIES PARTIAL UPPER LEVEL FLOOR PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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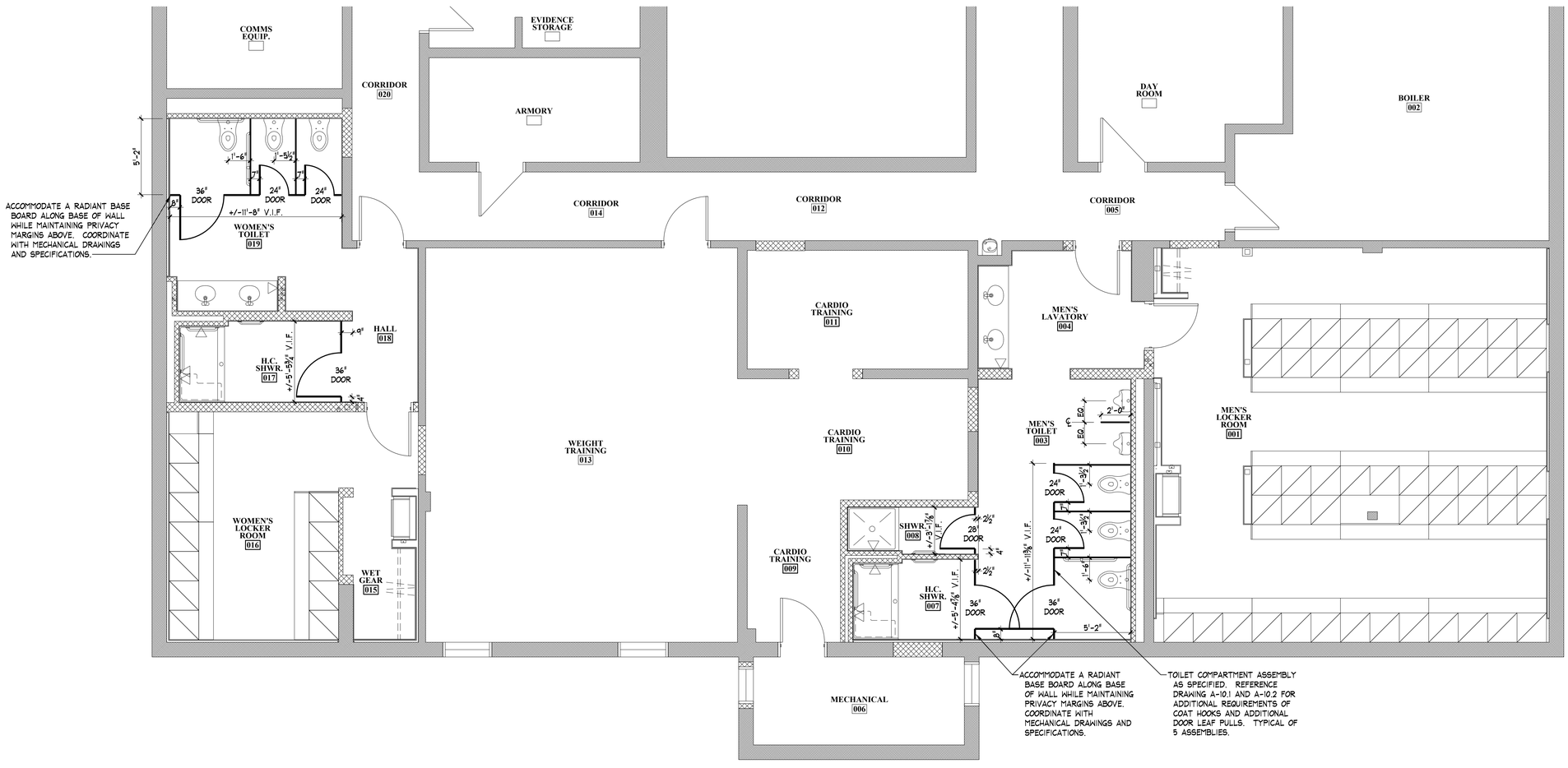
NEW WORK SPECIALTIES PARTIAL UPPER LEVEL FLOOR PLAN

PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	A-10.3
DATE JUNE 1, 2021	



0 2' 4' 8'

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

1 (SECTION 10 21 13) NEW WORK TOILET COMPARTMENTS PARTIAL LOWER LEVEL FLOOR PLAN

SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

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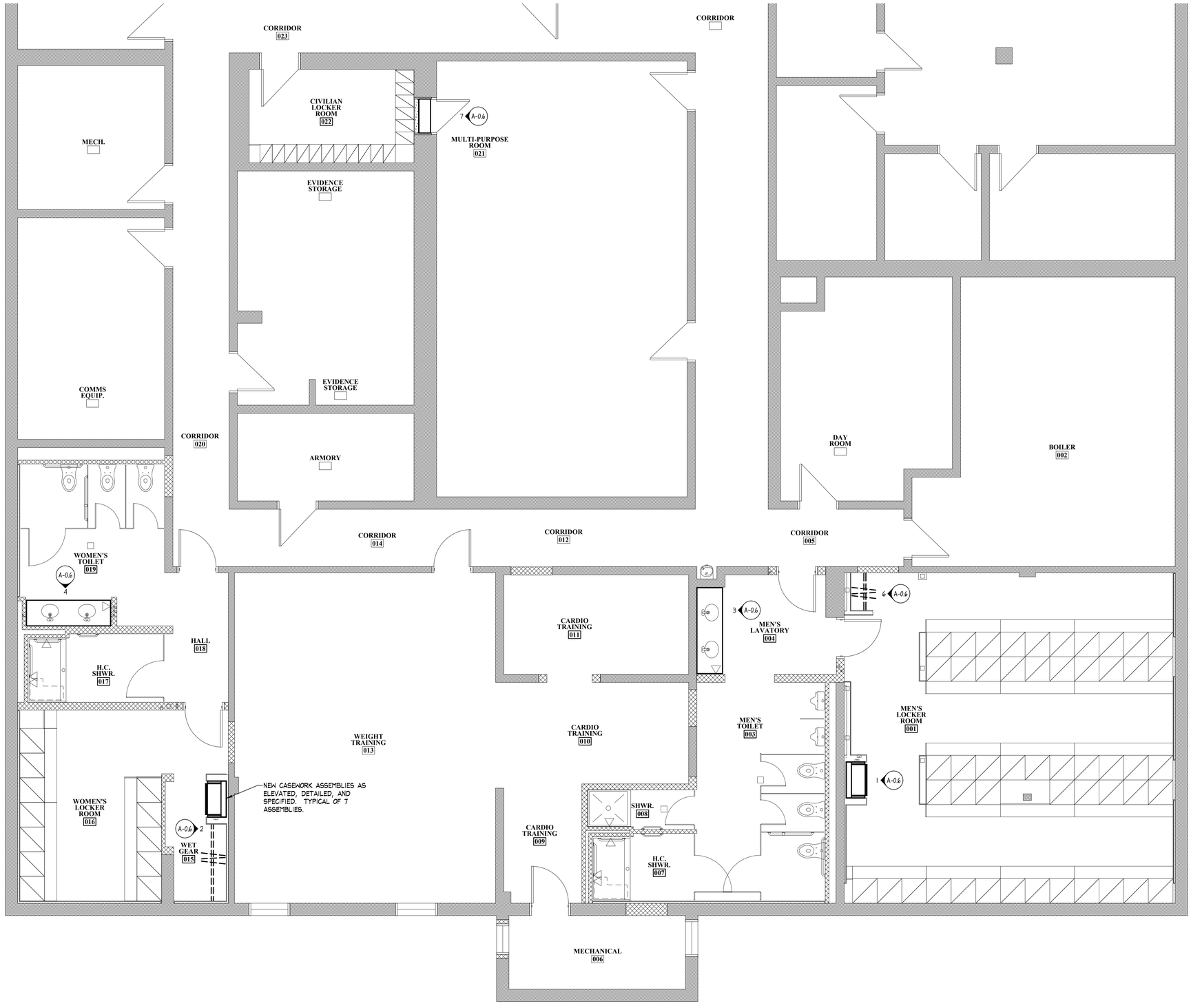
NEW WORK TOILET COMPARTMENTS PARTIAL FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH2020	A-10.4
SCALE: As Noted	
DATE: JUNE 1, 2021	



0 2' 4' 8'
SCALE: 1/4" = 1'-0"

1 **(SECTION 12 30 00) NEW WORK CASEWORK PARTIAL LOWER LEVEL FLOOR PLAN**
SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
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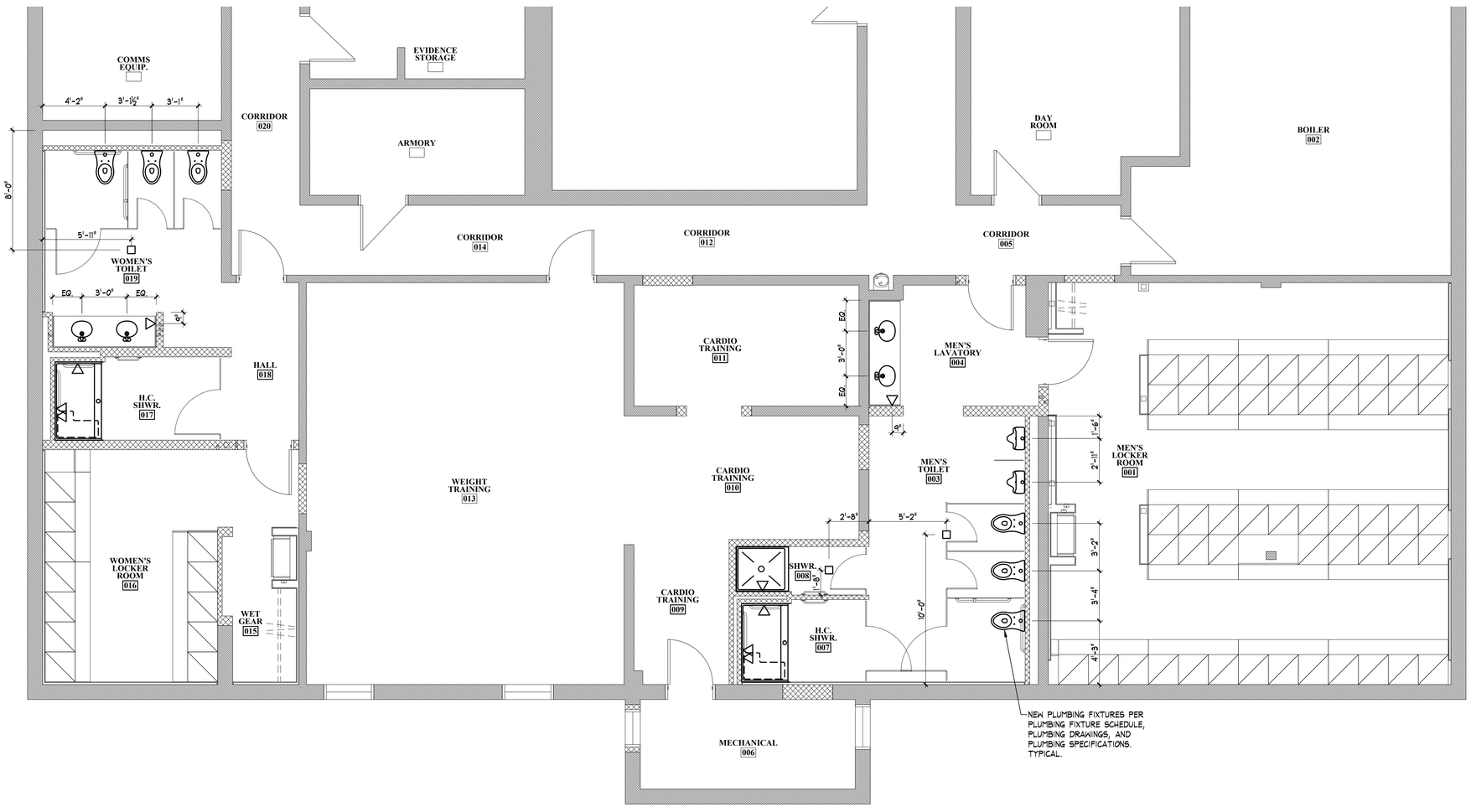
NEW WORK CASEWORK PARTIAL FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH2020	A-12.1
SCALE: As Noted	
DATE: JUNE 1, 2021	



0 2' 4' 8'

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

1 **(DIVISION 22) NEW WORK ARCHITECTURAL PLUMBING PARTIAL LOWER LEVEL FLOOR PLAN**

SCALE: AS NOTED

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE ***BID #2021-15***

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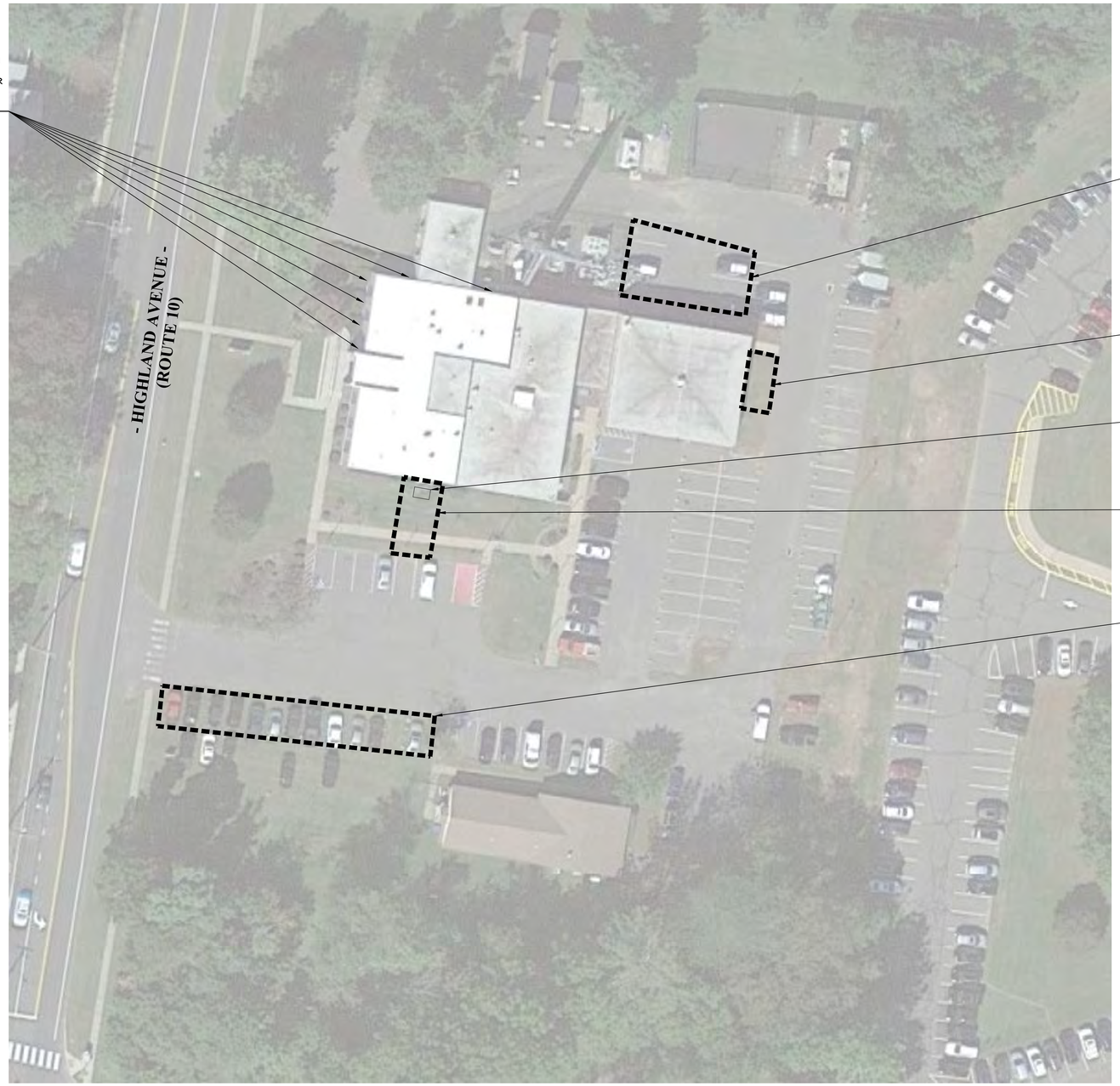
NEW WORK ARCHITECTURAL PLUMBING PARTIAL FLOOR PLAN

PROJ. NO.	DRAWING NO.
JH2020	A-22.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

(32 90 00) REMOVE VEGETATION AGAINST BUILDING FACE. REFERENCE DRAWING A-4.2 FOR BUILDING ELEVATIONS AND APPROXIMATE LOCATIONS. VERIFY IN FIELD.



FOLLOWING COMPLETION OF CONTRACTOR ASPHALT AREA USAGE, BROOM CLEAN ENTIRE AREA AND DISPOSE OF ALL REFUSE.

- (32 90 00) CUT/FILL ALL WHEEL RUTS AND DIVITS FOLLOWING COMPLETION OF TOILET/SHOWER TRAILER RENTAL.
- (32 90 00 - 2.2 - TS) TOP SOIL, AS REQUIRED TO PROVIDE SMOOTH UNIFORM SURFACE.
- (32 90 00 - 2.2 - GS) GRASS SEED, FULL EXTENT OF DISTURBED AREA.

- (32 90 00) EXCAVATE EXISTING STUMP AND SOILS FOR INSTALLATION OF NEW MECHANICAL UNIT PAD.
- (03 30 00) NEW CAST-IN-PLACE CONCRETE MECHANICAL UNIT PAD. REFERENCE STRUCTURAL DRAWINGS AND MECHANICAL DRAWINGS FOR REQUIREMENTS. LENGTH AND WIDTH AS REQUIRED BY APPROVED MECHANICAL UNIT.

- (32 90 00) CUT/FILL ALL WHEEL RUTS, DIVITS, AND EXCAVATION SPOILS FOLLOWING COMPLETION OF MECHANICAL UNIT AND PAD INSTALLATIONS.
- (32 90 00) GRADE AREA TO ENSURE NO PONDING AND WATER DRAINAGE AWAY FROM BUILDING FACE.
- (32 90 00 - 2.2 - TS) TOP SOIL, AS REQUIRED TO PROVIDE SMOOTH UNIFORM SURFACE.
- (32 90 00 - 2.2 - GS) GRASS SEED, FULL EXTENT OF DISTURBED AREA.

- (32 90 00) CUT/FILL ALL WHEEL RUTS AND DIVITS FOLLOWING COMPLETION OF CONTRACTOR PARKING.
- (32 90 00 - 2.2 - TS) TOP SOIL, AS REQUIRED TO PROVIDE SMOOTH UNIFORM SURFACE.
- (32 90 00 - 2.2 - GS) GRASS SEED, FULL EXTENT OF DISTURBED AREA.

0 15' 30' 60'

SCALE: 1" = 30'

1 **(SECTIONS 03 30 00 AND 32 90 00) NEW WORK EXTERIOR IMPROVEMENTS SITE PLAN**

SCALE: 1" = 30'

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE ***BID #2021-15***

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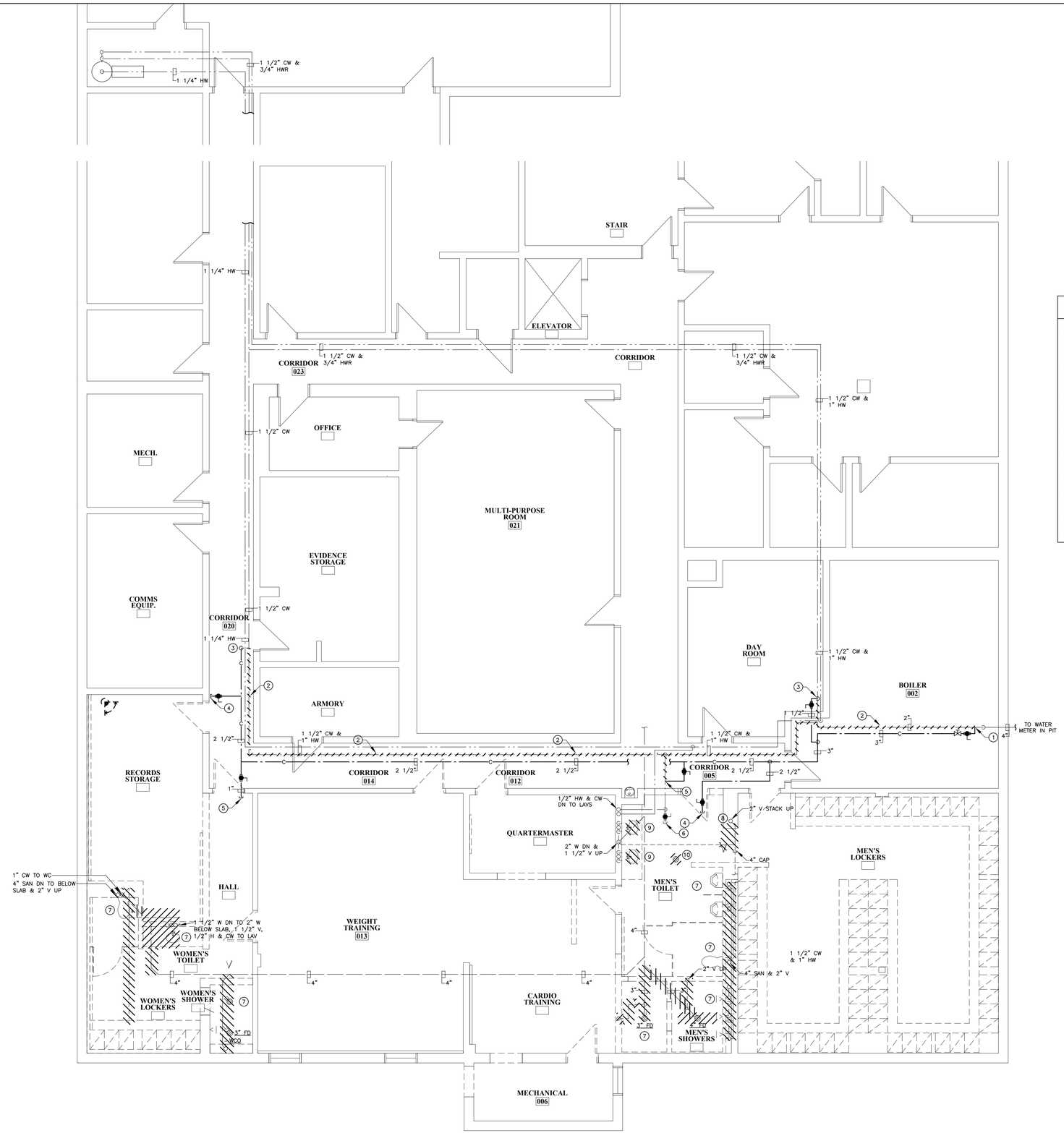
NEW WORK EXTERIOR IMPROVEMENTS SITE PLAN

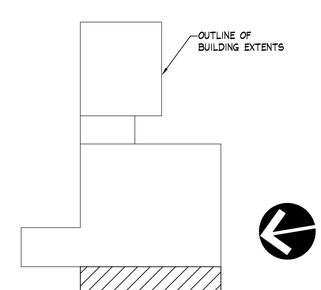
PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	A-32.1
DATE JUNE 1, 2021	



LOWER LEVEL PLUMBING DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

PLUMBING DRAWING NOTES

1. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING 2" CW MAIN PIPING FROM EXISTING 4" WATER SERVICE ENTERING ABOVE GRADE IN BOILER ROOM. COORDINATE WITH ELECTRICAL CONTRACTOR ON MAIN ELECTRICAL GROUND WIRE. CONNECT NEW 3" CW PIPING TO EXISTING 4" FLANGED WATER SERVICE. PROVIDE NEW VALVE AND PRV VALVE.
2. CONTRACTOR SHALL REMOVE EXISTING 1 1/2" CW MAIN PIPING. FIELD VERIFY ANY EXISTING BRANCH PIPING WHICH WOULD REQUIRE CONNECTION TO NEW CW MAIN PIPING.
3. CONNECT NEW 1 1/2" CW PIPING TO EXISTING CW PIPING.
4. PROVIDE NEW 2 1/2" CW PIPING. VALVE AND CAP FOR CONNECTION TO NEW BATHROOM LAYOUT. REFER TO DRAWING P-1-0 FOR CONTINUATION OF CW PIPING.
5. PROVIDE NEW 1" CW PIPING. VALVE AND CAP FOR CONNECTION TO NEW BATHROOM LAYOUT. REFER TO DRAWING P-1-0 FOR CONTINUATION OF CW PIPING.
6. CONTRACTOR SHALL VALVE AND CAP EXISTING CW PIPING. REMOVE ALL PIPING GOING TO EXISTING BATHROOM GROUP.
7. CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, FIXTURE CARRIER AND PLUMBING PIPING SERVICE TO FIXTURE.
8. DISCONNECT AND REMOVE EXISTING 2" VENT AND REPLACE WITH NEW 4" VENT FROM FLOOR ABOVE. PROVIDE CAP FOR CONNECTION OF NEW BATHROOM DURING CONSTRUCTION PHASE OF PROJECT.
9. DISCONNECT, REMOVE AND CAP PLUMBING SERVICES AT THE WALL FROM EXISTING LAVATORY.
10. REMOVE EXISTING FLOOR DRAIN AND PIPING, CONTRACTOR TO FIELD VERIFY.



BUILDING KEY PLAN

INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
35 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

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LOWER LEVEL PLUMBING DEMOLITION PLAN

PROJ. NO.	DRAWING NO.
JH2020	DP-1.0
SCALE: As Noted	
DATE: JUNE 1, 2021	

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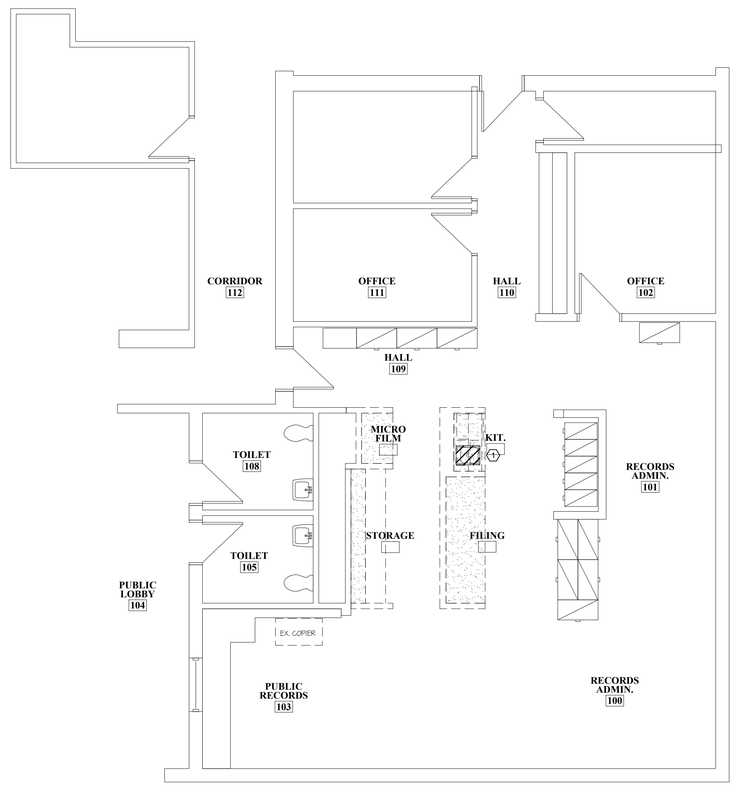
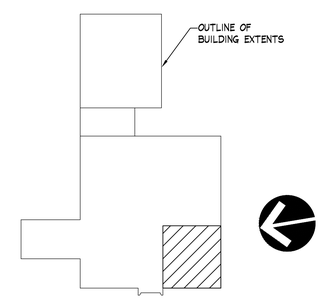
DEMOLITION PLUMBING DRAWING NOTES

1. DISCONNECT, REMOVE AND DISCARD EXISTING SINK INCLUDING BUT NOT LIMITED TO ASSOCIATED FAUCET. REMOVE AND CAP ALL ASSOCIATED HW & CW PIPING, WASTE PIPING AND VENT PIPING BACK TO MAINS AND CAP.



UPPER LEVEL PLUMBING DEMOLITION PLAN
SCALE: 3/16"= 1'-0"



BUILDING KEY PLAN

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SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

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UPPER LEVEL PLUMBING DEMOLITION PLAN

PROJ. NO.	DRAWING NO.
JH2020	DP-1.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

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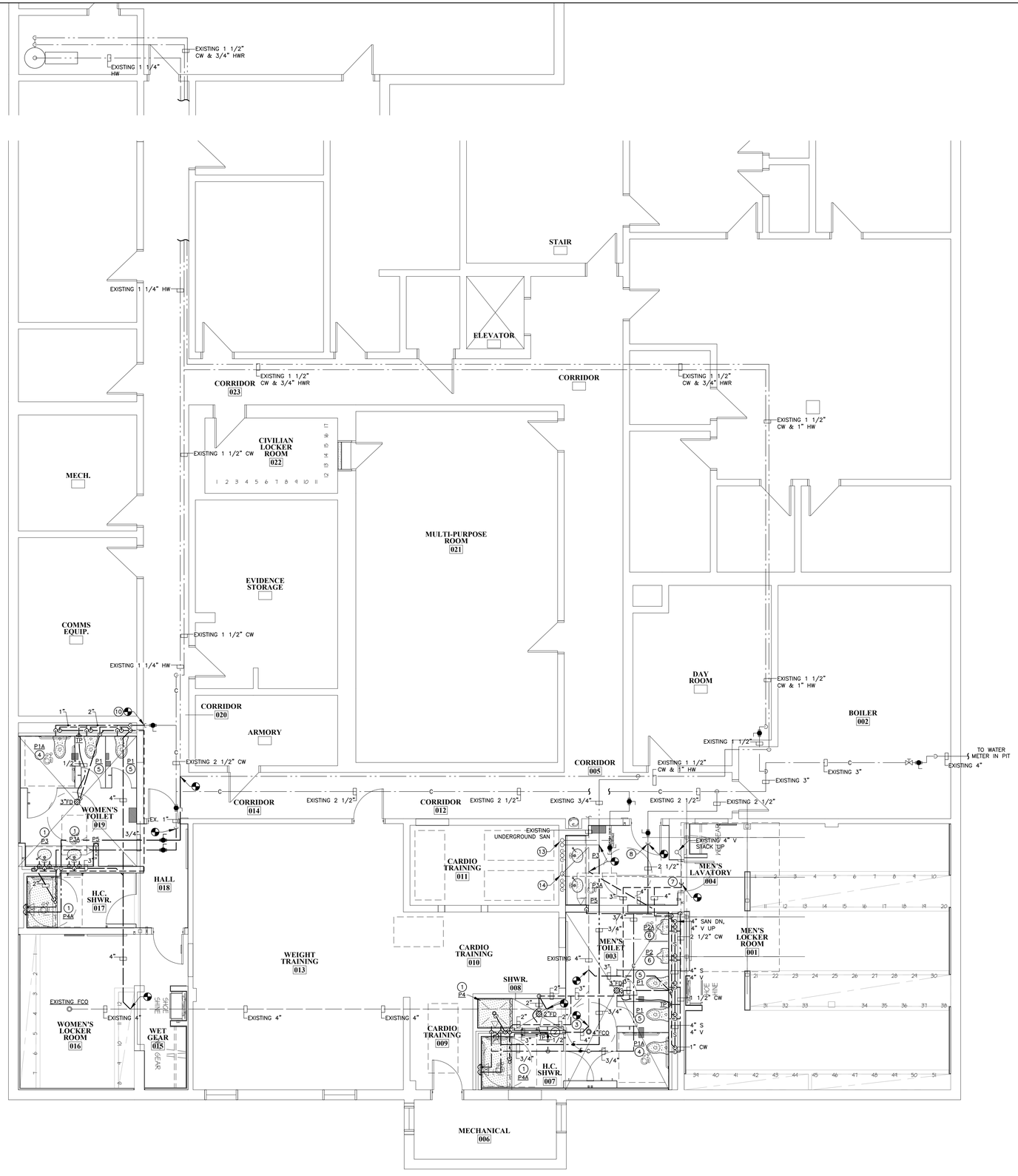
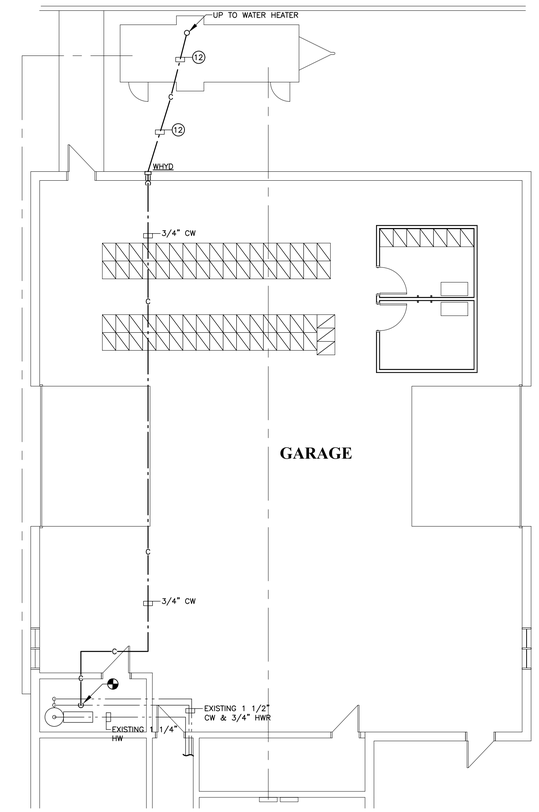


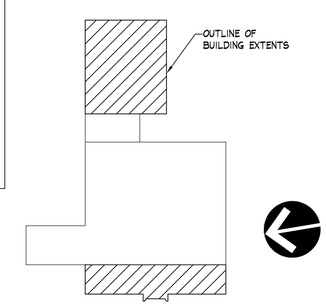
LOWER LEVEL PLUMBING PLAN
SCALE: 3/16"= 1'-0"



LOWER LEVEL GARAGE PLUMBING PLAN
SCALE: 1/8"= 1'-0"

PLUMBING DRAWING NOTES

1. PROVIDE 1 1/2" WASTE, 1 1/2" VENT, 1/2" HW AND 1/2" CW PIPING FROM PLUMBING FIXTURE. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
2. PROVIDE RECESSED IN WALL TRAP PRIMER WITH STAINLESS STEEL ACCESS DOOR AND 1/2" CW PIPING.
3. CONNECT NEW 4" SANITARY PIPING TO EXISTING 4" SANITARY PIPING.
4. PROVIDE 4" SANITARY, 4" VENT AND 1" CW PIPING FROM WATER CLOSET AND FIXTURE CARRIER. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
5. PROVIDE 4" SANITARY, 2" VENT AND 3/4" CW PIPING FROM URINAL. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
6. PROVIDE 2" SANITARY, 2" VENT AND 3/4" CW PIPING FROM URINAL. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
7. CONNECT NEW 4" VENT PIPING FROM BATHROOM GROUP.
8. CONNECT NEW 2 1/2" CW PIPING FROM BATHROOM GROUP.
9. CONNECT NEW LAVATORY TO EXISTING CAPPED PLUMBING SERVICES. REFER TO SCHEDULES AND DETAILS FOR ADDITIONAL INFORMATION.
10. CONNECT NEW 2" CW PIPING FROM BATHROOM GROUP.
11. PROVIDE NEW LAVATORY AND CONNECT 1 1/2" WASTE, 1/2" HW AND 1/2" CW PIPING FROM LAVATORY TO EXISTING PLUMBING SERVICES UNDER SINK. REFER TO SCHEDULES FOR ADDITIONAL INFORMATION.
12. PROVIDE 5/8" O.D. X 3/4" I.D. GARDEN HOSE WITH 1 1/2" THICK INSULATION WITH HEAT TRACE BETWEEN HOSE BIBB AND TRAILER CONNECTION.
13. EXISTING 1/2" HW & CW DN TO LAVATORIES. CONTRACTOR TO FIELD VERIFY.
14. EXISTING 1 1/2" W DN & 1 1/2" V UP. CONTRACTOR TO FIELD VERIFY.



BUILDING KEY PLAN

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WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
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HVAC AND LOCKER ROOM IMPROVEMENTS AT THE POLICE STATION

TOWN OF CHESHIRE

BID #2021-15

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15 MASSIRIO DRIVE
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BERLIN, CT 06037
TEL 860-828-9221
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LOWER LEVEL PLUMBING PLAN

PROJ. NO.	DRAWING NO.
JH2020	P-1.0
SCALE: As Noted	
DATE: JUNE 1, 2021	

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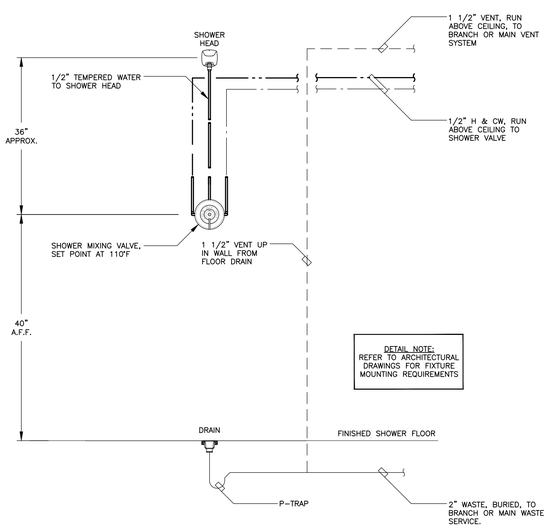
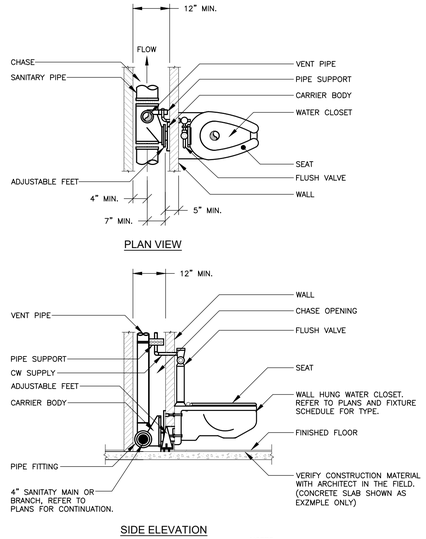


TYPICAL STANDARD TYPE SHOWER SERVICE PIPING INSTALLATION DETAIL

SCALE: N.T.S.

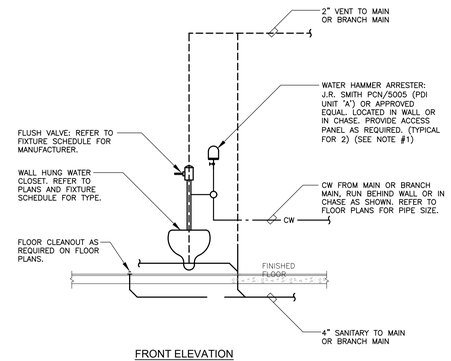


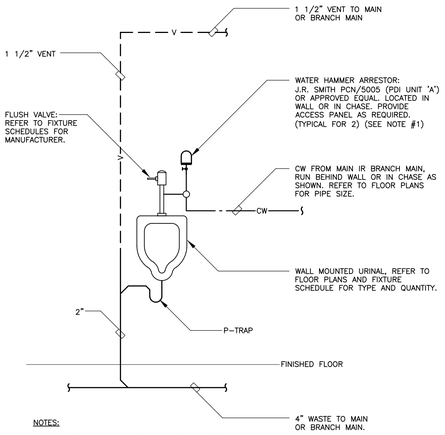
NOTES:

1. COMMERCIAL-TYPE WATER HAMMER ARRESTERS: SHALL BE PROVIDED ON COLD WATER SUPPLIES SERVING FLUSH VALVES AND SHALL BE LOCATED AS INDICATED WITH PRECISE LOCATION AND SIZING TO BE IN ACCORDANCE WITH PDI WH 201. WATER HAMMER ARRESTERS, WHERE CONCEALED, SHALL ACCESSIBLE BY MEANS OF ACCESS DOORS, OR REMOVABLE PANELS. COMMERCIAL-TYPE WATER HAMMER ARRESTERS SHALL BE IN ACCORDANCE WITH PDI WH 201, STATE AND LOCAL PLUMBING CODES.

TYPICAL SINGLE WALL HUNG WATER CLOSET SERVICE PIPING INSTALLATION DETAIL

SCALE: N.T.S.





NOTES:

1. COMMERCIAL-TYPE WATER HAMMER ARRESTERS: SHALL BE PROVIDED ON COLD WATER SUPPLIES SERVING FLUSH VALVES AND SHALL BE LOCATED AS INDICATED WITH PRECISE LOCATION AND SIZING TO BE IN ACCORDANCE WITH PDI WH 201. WATER HAMMER ARRESTERS, WHERE CONCEALED, SHALL ACCESSIBLE BY MEANS OF ACCESS DOORS, OR REMOVABLE PANELS. COMMERCIAL-TYPE WATER HAMMER ARRESTERS SHALL BE IN ACCORDANCE WITH PDI WH 201, STATE AND LOCAL PLUMBING CODES.

TYPICAL WALL HUNG URINAL (FLUSH VALVE) SERVICE PIPING INSTALLATION DETAIL

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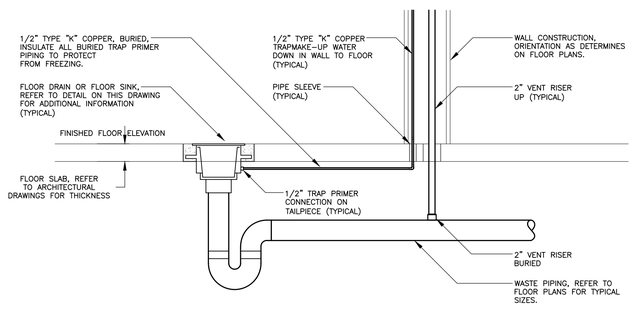
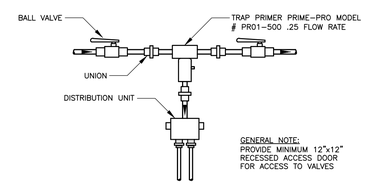


TYPICAL FLOOR DRAIN - SINK SERVICE PIPING INSTALLATION DETAIL

SCALE: N.T.S.



TYPICAL TRAP PRIMER (LOW FLOW) INSTALLATION DETAIL

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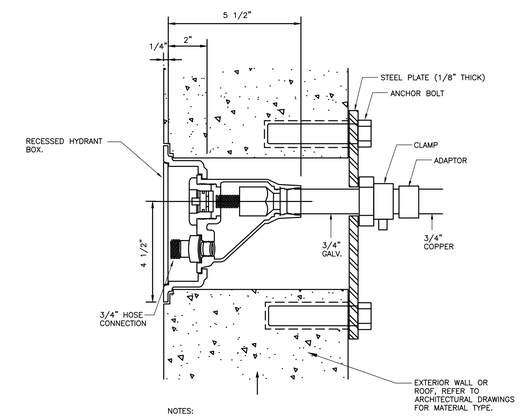

NOTES:

1. RECESSED HYDRANTS SHALL BE AS FOLOWS:
   WALL INSTALATION: WOODFORD MODEL B67
   ROOF INSTALLATION: WOODFORD MODEL Y95
2. APPROVED EQUAL MANUFACTURERS:
   J.R. SMITH, MIFAB, ZURN, WADE

TYPICAL FREEZE PROOF RECESSED WALL HYDRANT DETAIL

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PLUMBING DETAILS

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PLUMBING GENERAL NOTES

PLUMBING GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK, SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. PLUMBING CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.
4. THE PLUMBING CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ON PIPING PASSING THRU ALL BUILDING EXPANSION JOINT LOCATIONS AS REQUIRED PER BUILDING CODES WHETHER OR NOT SHOWN ON DRAWINGS. REVIEW ARCHITCTURAL AND STRUCTURAL DRAWINGS FOR EXACT BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION DIMENSIONS.
5. THE PLUMBING CONTRACTOR SHALL INSTALL ALL PIPING EQUIPMENT AND ACCESSORIES IN ACCORDANCE WITH THE LATEST STATE BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. COORDINATION BETWEEN TRADES IS REQUIRED TO INSURE COMPLIANCE WITH THE GOVERNING CODES.
6. ALL PIPING, EQUIPMENT OR ACCESSORIES INSTALLED IN PLENUM RATED CEILINGS SHALL BE LISTED AND APPROVED FOR SUCH INSTALLATION.

PIPING & MATERIALS SCHEDULE

PIPING SYSTEM	SIZE	PIPING MATERIALS	JOINTS	FITTINGS	ADDITIONAL COMMENTS
DOMESTIC HOT, COLD & RETURN WATER PIPING	1/2" – 2"	HARD COPPER TUBE: ASTM B 88, TYPE L WATER TUBE, DRAWN TEMPER	SOLDER FILLER METALS: ASTM B 32, LEAD-FREE ALLOYS	WROUGHT-COPPER SOLDER-JOINT FITTINGS: ASME B16.22, WROUGHT-COPPER PRESSURE FITTINGS	PROVIDE 1" INSULATION ON ALL CW, HW & HWR PIPING IN ALL AREAS
TRAP PRIMER WATER PIPING (UNDER SLAB)	1/2"	SOFT COPPER TUBE: ATM B88, TYPE K, WATER TUB, DRAWN TEMPER	NO JOINTS UNDER GROUND IF POSSIBLE: IF REQUIRED FLARED JOINTS ARE ACCEPTABLE	CAST BRONZE FLARED FITTINGS	PROVIDE 1/2" INSULATION ON ALL TRAP PRIMER PIPING
ABOVE GROUND SOIL, WASTE, VENT & STORM	ALL	PVC PIPE AND DWV FITTINGS & SOLID-WALL PVC PIPE SCHEDULE 40 ASTM D 2665	SOCKET GLUE JOINT: ADHESIVE PRIMER ASTM F 656, SOLVENT CEMENT ASTM D 2564	PVC SOCKET FITTINGS ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE	TRANSITION COUPLINGS, SHIELDED, NONPRESSURE TRANSITION COUPLINGS ASTM C 1460.
UNDERGROUND SOIL, WASTE, VENT & STORM	ALL	PVC PIPE AND DWV FITTINGS & SOLID-WALL PVC PIPE SCHEDULE 40 ASTM D 2665	SOCKET GLUE JOINT: ADHESIVE PRIMER ASTM F 656, SOLVENT CEMENT ASTM D 2564	PVC SOCKET FITTINGS ASTM D 2665, MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS AND TO FIT SCHEDULE 40 PIPE	TRANSITION COUPLINGS, SHIELDED, NONPRESSURE TRANSITION COUPLINGS ASTM C 1460.

PLUMBING PIPING LEGEND

- COLD WATER
- HOT WATER
- HOT WATER RECIRCULATION
- WASTE, SANITARY OR SOIL
- WASTE, SANITARY, SOIL BURIED
- VENT
- DIRECTION OF FLOW
- EXISTING PIPING TO BE REMOVED
- PIPE DOWN
- PIPE DROP
- PIPE RISE
- PIPE ANCHOR
- PIPE GUIDE or SLEEVE
- PIPE EXPANSION FITTING (AT BLDG. EXP.JOINTS)
- VIBRATION ISOLATION FITTING
- PLUGGED OR CAPPED PIPE
- CLEANOUT
- FLOOR CLEANOUT

COMMERCIAL PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
P1	WATER CLOSET	KOHLER/KINGSTON ULTRA MODEL #K-84325	WATER CLOSET: PROVIDE VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, TOP SPUD, 1.6 GPF WALL MOUNT WATER CLOSET WITH KOHLER STRONGHOLD QUIET-CLOSE MODEL #K4731-GC-0, COMMERCIAL GRADE WHITE TOILET SEAT.	PROVIDE SLOAN CHROME PLATED FINISH, MANUAL FLUSH, 1.6 GPF MODEL #GEM-2-111 FLUSHOMETER, AND J.R SMITH SERIES 200 OR 300 WALL CARRIER SYSTEM.	#1,4,5,6
P1A	HANDICAPPED ACCESSIBLE WATER CLOSET	KOHLER/KINGSTON ULTRA MODEL #K-84325	ACCESSIBLE: PROVIDE VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, TOP SPUD, 1.6 GPF WALL MOUNT WATER CLOSET WITH KOHLER STRONGHOLD QUIET-CLOSE MODEL #K4731-GC-0, COMMERCIAL GRADE WHITE TOILET SEAT MOUNTED 18" ABOVE FINISH FLOOR, ADA COMPLIANT REQUIREMENTS.	PROVIDE SLOAN CHROME PLATED FINISH, MANUAL FLUSH, 1.6 GPF MODEL #GEM-2-111 FLUSHOMETER, AND J.R SMITH SERIES 200 OR 300 WALL CARRIER SYSTEM.	#1,2,4,5,6
P2	URINAL	KOHLER/STANWELL MODEL #K-25048-ET-0	URINAL: PROVIDE WHITE VITREOUS CHINA, BLOW OUT FLUSH ACTION, 3/4" TOP SPUD, .5 GPF AND MOUNTED AT 24" ABOVE FINISHED FLOOR.	PROVIDE SLOAN CHROME PLATED FINISH, MANUAL FLUSH, .5 GPF, MODEL #GEM-2-186 AND J.R SMITH SERIES 600 WALL CARRIER SYSTEM.	#1,4,5,6
P2A	HANDICAPPED ACCESSIBLE URINAL	KOHLER/STANWELL MODEL #K-25048-ET-0	ACCESSIBLE: PROVIDE WHITE VITREOUS CHINA, BLOW OUT FLUSH ACTION, 3/4" TOP SPUD, .5 GPF, RIM MOUNTED 17" ABOVE FINISHED FLOOR, ADA REQUIREMENTS.	PROVIDE SLOAN CHROME PLATED FINISH, MANUAL FLUSH, .5 GPF, MODEL #GEM-2-186, TOP OF FLUSH VALVE MOUNTED AT 48" MAXIMUM ABOVE FINISHED FLOOR PER ADA REQUIREMENTS.	#1,2,4,5,6
P3	LAVATORY	CORIAN DESIGN K-30002 MODEL #810P	ACCESSIBLE: PROVIDE SOLID SURFACE, UNDER MOUNT COUNTER TYPE SINK WITH MCGUIRE MANUFACTURING CO. OFFSET LAVATORY GRID STRAINER MODEL #155WC	PROVIDE AMERICAN STANDARD RELIANT 3 MODEL #7385.004-002 CHROME PLATED STINGLE CONTROL, .05 GPM FAUCET	#1,2,3,6,7
P3A	HANDICAPPED ACCESSIBLE LAVATORY	CORIAN DESIGN K-30002 MODEL #810P	ACCESSIBLE: PROVIDE WHITE SOLID SURFACE, UNDER MOUNT COUNTER TYPE SINK WITH MCGUIRE MANUFACTURING CO. OFFSET LAVATORY GRID STRAINER MODEL #155WC. ADA COMPLIANT REQUIREMENTS.	PROVIDE AMERICAN STANDARD RELIANT 3 MODEL #7385.004-002 CHROME PLATED STINGLE CONTROL, .05 GPM FAUCET	#1,2,3,6
P4	SHOWER	KOHLER MODEL #K-8647	SHOWER: PROVIDE WHITE SINGLE THRESHOLD SHOWER BASE, 36" X 42" L X 96", 3-PIECE ACRYLIC MOLDED-IN TEXTURE FLOOR, CENTER DRAIN MODEL #K-9132. PROVIDE WHITE KOHLER CHOREOGRAPH 42" X 42" X 96" WALL KIT, MODEL #K-97613.	PROVIDE SYMMONS SAFETY MIX SHOWER VALVE SYSTEM, MODEL #1-100-151-3/4"-VP-A AND SHALL BE CHROME PLATED SINGLE LEVER HANDLE WITH 2.5 GPM SHOWER FLOW.	#1,5,6
P4A	HANDICAPPED ACCESSIBLE SHOWER STALL SYSTEM	COMFORT DESIGNS MODEL #XST-6238-TR-5P.75L-BAR-I	ACCESSIBLE: PROVIDE WHITE 60" X 36" X 78" SANITARY GRADE, SMOOTH FINISH ACRYLIC, ADA COMPLIANT, BARRIER FREE, HDPE FOLD-UP SEAT WITH LEGS, INTEGRAL FRONT DRAIN WITH NO THRESHOLD TO ADJACENT FLOOR FINISH.	PROVIDE SYMMONS SAFETY MIX CHROME PLATED SHOWER HEAD, VALVE AND TRIM ON RIGHT SIDE OF SHOWER STALL MODEL #1-100-151-X-3/4"-VP -A AND 2ND SYMMONS SAFETY MIX CHROME PLATED HAND SHOWER VALVE SYSTEM ON ADJACENT BACK WALL MODEL #1-25-FSB-ADAHS-T724 -VP-X-3/ 4" WITH 24" ADJUSTABLE BAR FOR HAND SHOWER AND SHALL BE ADA COMPLIANT. BOTH SHOWER VALVES SHALL PROVIDE 2.5 GPM OF WATER FLOW.	#1,2,5,6
P5	WASH DOWN CUSTODIAL SILL FAUCET	CHICAGO FAUCETS MODEL #952-CP	WASH DOWN FAUCET: PROVIDE CHROME PLATED WALL MOUNT WASH DOWN AND SILL, 3/4" NPT FEMALE THREADED CONNECTION WITH ATMOSPHERIC VACUUM BREAKER ON FAUCET.		#5,6

REMARKS:

1. FIXTURE SHALL BE WHITE.
2. FIXTURE SHALL BE ADA ACCESSIBLE AND SHALL MEET ALL OF THE REQUIREMENTS OF ANSI A117.1.
3. PROVIDE FIXTURE WITH ADA PIPE INSULATION ON P-TRAP AND STOPS, TRUEBRO MODEL # 102.
4. PROVIDE WITH WATER HAMMER ARRESTOR.
5. PROVIDE ISOLATION VALVE ON WATER SUPPLY.
6. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS.
7. PROVIDE WITH STRAINER, TAIL PIECE, 3/8" COPPER SUPPLIES AND ANGLE STOPS, P-TRAP WITH CLEANOUT.

PLUMBING WATER SPECIALTIES SCHEDULE

SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
RPBP1	REDUCED PRESSURE BACKFLOW PREVENTER	WATTS MODEL # UP TO 1" LF909 1 ¼" TO 2" LF909M1 2 ½" AND OVER LF909	REDUCED PRESSURE BACKFLOW PREVENTER: ASSE 1013, LEAD FREE REDUCED PRESSURE ZONE ASSEMBLY, PRESSURE DIFFERENTIAL RELIEF VALVE BETWEEN TWO POSITIVE SEATING CHECK VALVES.	SHUT-OFF VALVES, AIR GAP FITTING, STRAINER, TEST COCKS.	#1,2,6,7
TP1	TRAP PRIMER	PPP MODEL # PR01-500	TRAP PRIMER: CORROSION RESISTANT BRASS.	DISTRIBUTION UNIT	# 2,5
PRV	DOMESTIC WATER PRESSURE REDUCING VALVE	WATTS MODEL #LFN223M1-BS	WATER PRESSURE REDUCING VALVE: WATER PRESSURE REDUCING VALVE WITH STRAINER	–	# 1,2
WHYD	WALL HYDRANT	WOODFORD MODEL #B65	WALL HYDRANT: FREEZELESS WALL HYDRANT SELF DRAINIG, LOCKABLE POLISHED BRASS BOX	VACUUM BREAKER, LOOSE TEE KEY.	# 2

REMARKS:

1. REFER TO FLOOR PLANS FOR SIZES.
2. PROVIDE ISOLATION VALVE ON WATER SUPPLY.
3. PROVIDE AT ALL WATER HEATERS, SEE WATER HEATER DETAIL.
4. PROVIDE ON ALL FLUSH VALVE TOILETS AND URINALS.
5. PROVIDE WITH DISTRIBUTION UNIT FOR SERVING MULTIPLE FLOOR DRAINS.
6. PROVIDE AIR GAP FITTING AND PIPE DRAIN TO NEAREST FLOOR DRAIN.
7. MOUNT MAX OF 5'-0" ABOVE FINISHED FLOOR.

PLUMBING DRAIN SPECIALTIES SCHEDULE

SYMBOL	FIXTURE TYPE	MANUFACTURER/ MODEL NUMBER	DESCRIPTION	ACCESSORIES AND TRIM	REMARKS
FCO	FLOOR CLEANOUT	JR SMITH MODEL # 4021S-PB-NB	FLOOR CLEANOUT: DUCO CAST IRON BODY WITH FLASHING CLAMP, ADJUSTABLE SCORIATED POLISHED BRONZE TOP, BRONZE PLUG.	–	# 1
FD	FLOOR DRAIN (LOCKERS)	JAY R. SMITH MFG. CO. MODEL # 2005Y-B-NB-P050	FLOOR DRAIN: DUCO CAST IRON BODY WITH FLASHING COLLAR, OUTLET, ADJUSTABLE POLISHED NICKEL BRONZE, 6" SQUARE STRAINER HEAD.	ALL FLOOR DRAINS SHALL HAVE TRAP PRIMER CONNECTIONS	# 1,2

REMARKS:

1. REFER TO FLOOR PLANS FOR SIZES.
2. PROVIDE WITH TRAP PRIMER TP1 UNLESS NOTED OTHERWISE.

PLUMBING FIXTURE CONNECTION SCHEDULE

FIXTURE TYPE	HOT WATER	COLD WATER	SAN. WASTE	VENT	REMARKS
WATER CLOSET	–	1 1/4"	4"	2"	–
URINAL	–	1"	2"	1 1/2"	–
LAVATORY	1/2"	1/2"	1 1/2"	1 1/2"	–
SINK	1/2"	1/2"	2"	1 1/2"	–
MOP BASIN	1/2"	1/2"	4"	2"	–

PLUMBING SYMBOL LEGEND

- TEMPERATURE GAUGE
- PRESSURE GAUGE
- WATER HAMMER ARRESTER
- STRAINER – 'Y' TYPE
- P-TRAP
- FLOOR DRAIN
- TRAP PRIMER
- UNION
- PETCOCK
- BALANCING VALVE
- BALL VALVE
- BUTTERFLY VALVE
- CHECK VALVE
- THERMOSTATIC MIXING VALVE
- SOLENOID VALVE
- GATE VALVE
- VALVE IN PIPE DROP
- VALVE IN PIPE RISER
- HOSE BIBB (H.B.)
- WATER PRESSURE REDUCING VALVE (* = PSI SETTING)
- DRAIN VALVE
- TEMPERATURE & PRESSURE RELIEF VALVE (T&P)
- CIRCULATOR PUMP
- PLUMBING WORK ITEM NOTE
- PLUMBING FIXTURE DESIGNATION
- CONNECT TO EXISTING
- BALANCING ASSEMBLY
- WALL HYDRANT

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
C, CW	COLD WATER
CO	CLEANOUT
CTE	CONNECT TO EXISTING
EWH	ELECTRIC WATER HEATER
EXP	EXPANSION TANK
FD	FLOOR DRAIN
GPM	GALLONS PER MINUTE
H, HW	HOT WATER
HB	HOSE BIBB
HC	HANDICAP ACCESSIBLE
HWR	HOT WATER RECIRCULATION
INV. ELEV.	INVERT ELEVATION
LAV	LAVATORY
NIC	NOT IN CONTRACT
PRV	PRESSURE REDUCING VALVE
PSI	POUNDS PER SQUARE INCH
S	SOIL
SS	SOIL STACK
SAN	SANITARY
T&P	TEMPERATURE & PRESSURE RELIEF VALVE
TP	TRAP PRIMER
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UR	URINAL
V	VENT
VS	VENT STACK
VIF	VERIFY IN FIELD
VTR	VENT THRU ROOF
W	WASTE
WC	WATER CLOSET
WS	WASTE STACK
WH	WALL HYDRANT
WCO	WALL CLEANOUT
WHA	WATER HAMMER ARRESTOR

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PLUMBING NOTES, LEGENDS, AND SCHEDULES

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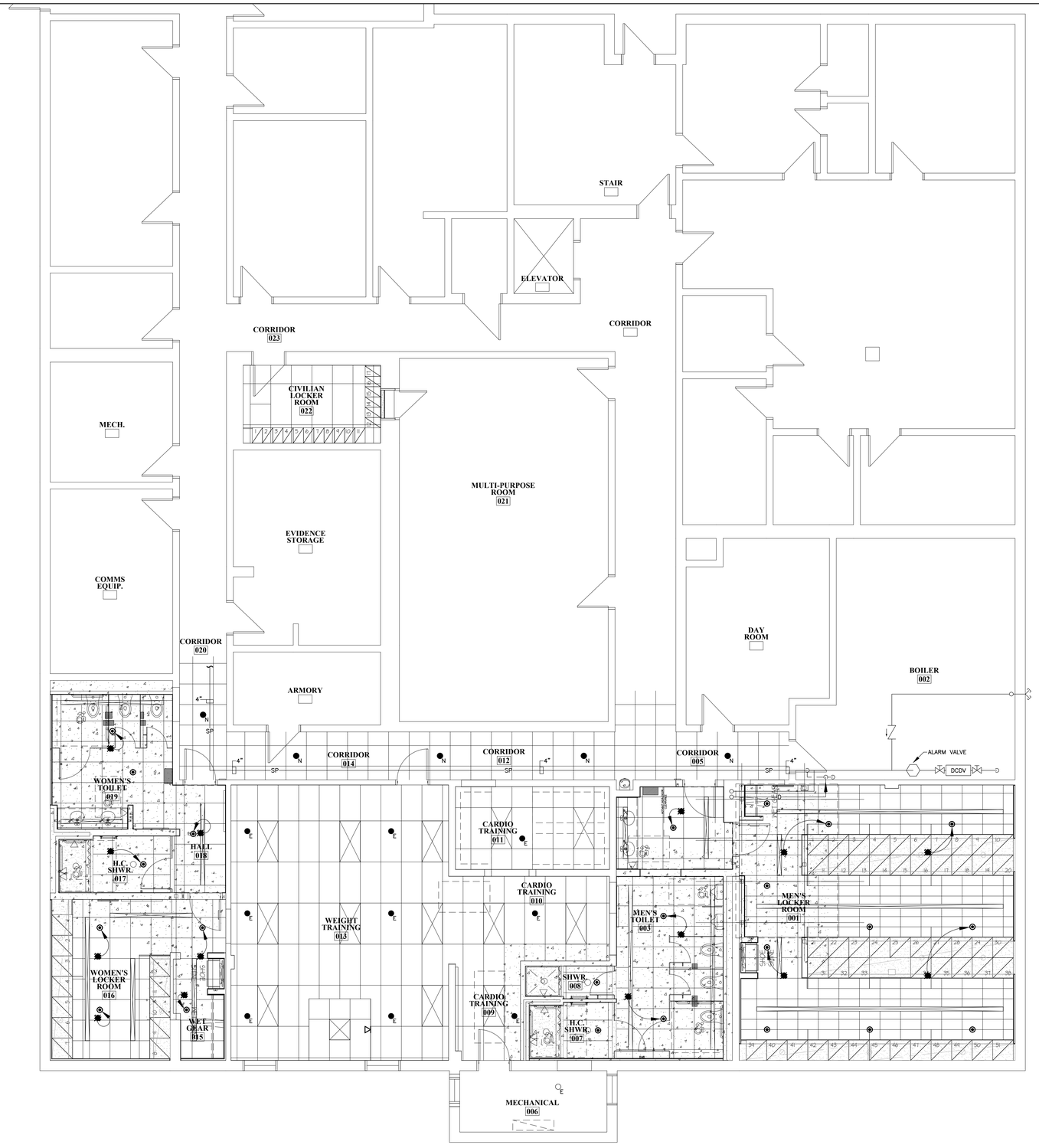
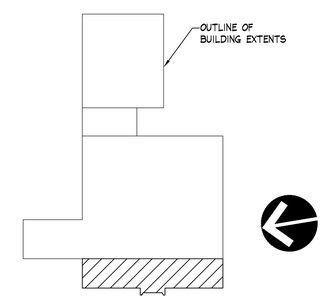


LOWER LEVEL FIRE PROTECTION PLAN
SCALE: 3/16"= 1'-0"



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HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE *BID #2021-15*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

LOWER LEVEL FIRE PROTECTION PLAN

PROJ. NO.	DRAWING NO.
JH2020	*FP-1.0*
SCALE: As Noted	
DATE: JUNE 1, 2021	

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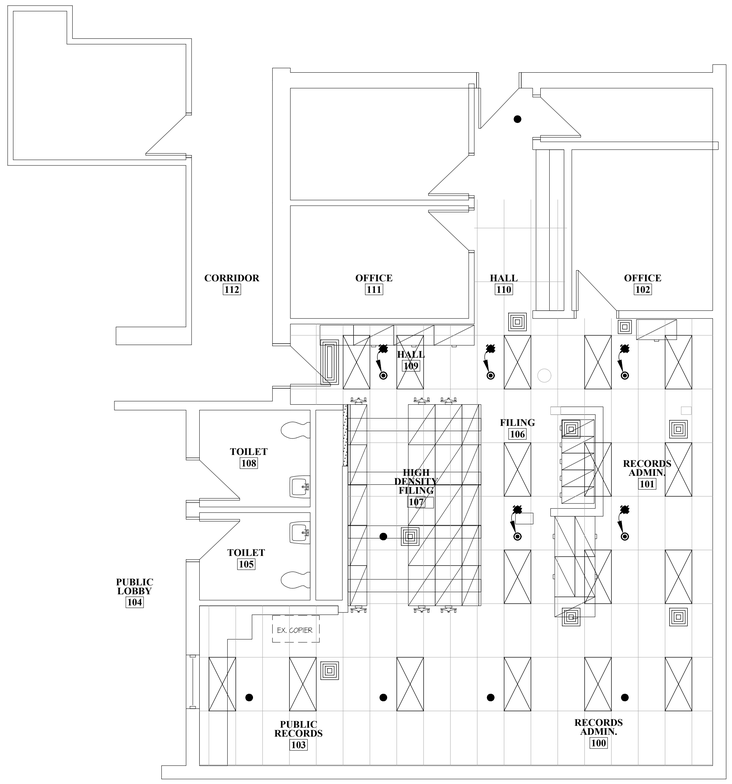
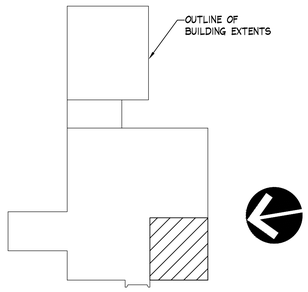


UPPER LEVEL FIRE PROTECTION PLAN
SCALE: 3/16"= 1'-0"



BUILDING KEY PLAN

INNOVATIVE ENGINEERING SERVICES, LLC
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33 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS		
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HYDRAULIC–SYSTEM

THIS BUILDING IS PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC SPRINKLER SYSTEM

LOCATION

NO. OF SPRINKLERS

BASIS OF DESIGN
1. DENSITY — GPM SQ FT
2. DESIGNED AREA OF DISCHARGE — SQ FT

SYSTEM DEMAND
1. GPM DISCHARGE — GPM
2. RESIDUAL PRESSURE AT THE BASE OF THE RISER — PSI

HYDRAULIC SIGN NOTES:

1. THE FIRE PROTECTION CONTRACTOR SHALL IDENTIFY EACH HYDRAULIC DESIGNED SPRINKLER SYSTEM WITH A PERMANENTLY MARKED, WATERPROOF METAL SIGN SECURED WITH CORROSION–RESISTANT WIRE, CHAIN OR OTHER APPROVED MEANS. SUCH SIGNAGE SHALL BE PLACED AT EACH ALARM VALVE SUPPLYING THE CORRESPONDING HYDRAULICALLY DESIGNED AREA. THE SIGN SHALL INCLUDE THE FOLLOWING INFORMATION:

A. LOCATION OF DESIGN AREA OR AREAS.
B. DISCHARGE DENSITIES OVER THE DESIGN AREA OR AREAS.
C. REQUIRED FLOW AND RESIDUAL PRESSURE DEMAND AT BASE OF RISER.
D. OCCUPANCY CLASSIFICATION OR COMMODITY CLASSIFICATION AND MAXIMUM PERMITTED STORAGE HEIGHT AND CONFIGURATION.
E. HOSE STREAM DEMAND INCLUDED IN ADDITION TO THE SPRINKLER DEMAND.

HYDRAULIC SYSTEM SIGNAGE DETAIL

SCALE: N.T.S.

SPRINKLER PIPING SCHEDULE

PIPING SYSTEM	SIZE RANGE	PIPE MATERIALS	JOINTS	FITTINGS	INSULATION	SHUTOFF VALVES
WATER SERVICE PIPING (WS / F)	4" – 8"	STEEL, SCH 40, ASTM A135	FLANGED	FLANGED 300#	N/A	REFER TO DRAWINGS, SCHEDULES AND SPECIFICATIONS
WET SPRINKLER PIPING (SP)	2" DN	STEEL, SCH 40, ASTM A135	THREADED	150# MALLEABLE–IRON	N/A	
	2 1/2 UP	STEEL, SCH 10, ASTM A135	GROOVED	VICTAULIC STYLE 77 (FLEXIBLE)	N/A	

REFER TO DRAWINGS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION

SPRINKLER HEAD LEGEND

SYM	DESCRIPTION	COVERAGE UL & FM APPROVED	METAL	TEMP	K FACT	NPT	ORIF	MFG.	MODEL#	ELEMENT	ESCUT	CONN.	RESPONSE	COMMENTS	NOTES
	CONCEALED PENDANT SPRINKLER	STANDARD NFPA13	BRASS	155°	5.6	1/2"	1/2"	VIKING	VK462	GLASS BULB	WHITE	THREADED	STANDARD/ QUICK RESPONSE		1,2,4
	UPRIGHT	STANDARD NFPA13	BRASS	155°	5.6	1/2"	1/2"	VIKING	VK300	GLASS BULB	NONE	THREADED	STANDARD		2,3
	WET SIDEWALL	STANDARD NFPA13	BRASS	155°	5.6	1/2"	1/2"	VIKING	VK305	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE		2,3
E	WET SIDEWALL EXTENDED COVERAGE	EXTENDED	BRASS	155°	8.0	1/2"	1/2"	VIKING	VK606	GLASS BULB	WHITE OR CHROME FINISH	THREADED	QUICK RESPONSE		2,3

1. SPRINKLERS TO BE CENTERED IN CEILING TILE UNLESS NOTE OTHERWISE.
2. SPRINKLERS MAKE AND MODEL MAY BE SUBSTITUTED FOR APPROVED EQUAL.
3. PROVIDE GUARD IN ALL MECHANICAL ROOMS AND AREAS WHERE SPRINKLER HEAD MAY BE EXPOSED TO PHYSICAL DAMAGE.
4. PROJECT INVOLVES DIFFERENT COLOR FINISHES ON CONCEALED SPRINKLER COVER PLATES. EXACT LOCATIONS AND FINISH ARE TO BE VERIFIED WITH OWNER AND ARCHITECT BEFORE SUBMITTING SHOP DRAWINGS.

FIRE PROTECTION PIPING LEGEND

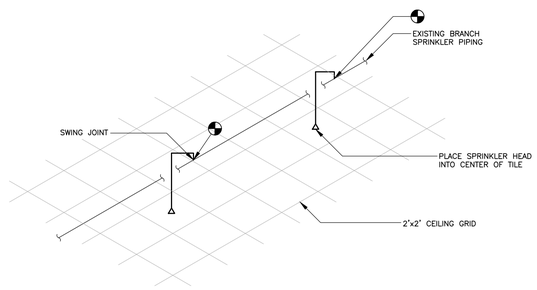
	FLOW DIRECTION
SP	WET SPRINKLER SYSTEM
D	DRAIN PIPING
	REMOVE EXISTING PIPING OR EQUIPMENT
D	PIPE DOWN
U	PIPE UP
D	PIPE DROP
F	FLUSHING CONNECTION
E	PLUGGED OR CAPPED PIPE

FIRE PROTECTION SYMBOL LEGEND

E	EXISTING TO REMAIN UPRIGHT SPRINKLER
E	EXISTING TO REMAIN PENDANT SPRINKLER
	REMOVE EXISTING HEAD AND RELOCATE TO NEW CONCEALED HEAD
	CONCEALED SPRINKLER
	PENDANT SPRINKLER
N	REMOVE PENDENT HEAD AND PROVIDE NEW CONCEALED HEAD
	WET SIDEWALL SPRINKLER
	CONNECT TO EXISTING

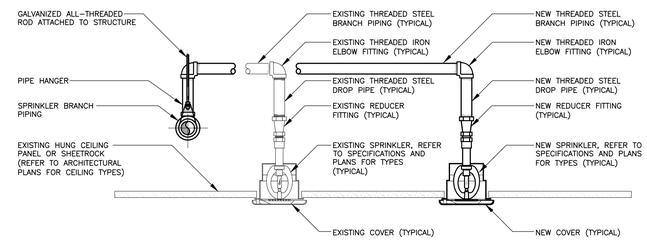
ABBREVIATIONS

AFF	ABOVE FINISH FLOOR
CTE	CONNECT TO EXISTING
EX	EXISTING
ETR	EXISTING TO REMAIN
ELEV	ELEVATION
G	CAGE GUARD (SPRINKLER)
GPM	GALLONS PER MINUTE
PSI	POUNDS PER SQUARE INCH
RR	REMOVE & RELOCATE
TYP	TYPICAL
VIF	VERIFY IN FIELD



DROP CEILING SPRINKLER HEAD LOCATION DETAIL

SCALE: N.T.S.

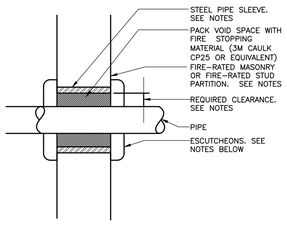


RELOCATED SPRINKLER INSTALLATION DETAIL

SCALE: N.T.S.

FIRE PROTECTION GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL FIRE PROTECTION DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW THE GENERAL INTENT OF WORK, SEE DETAILS, RISERS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. THE DRAWINGS INDICATE A SUGGESTED SPRINKLER HEAD LAYOUT AND THAT EACH AREA IS COVERED BY SPRINKLER PROTECTION AS REQUIRED PER CODE. THE SPRINKLER QUANTITIES SHALL NOT BE COUNTED, AS A TAKE OFF OR AS EXACT LOCATIONS. REFER TO NFPA 13 FOR EXACT SPACING, DENSITY, AND LOCATION REQUIREMENTS.
4. SPRINKLERS IN FINISHED CEILING AREAS SHALL ALWAYS BE LOCATED IN THE CENTER OF CEILING TILES UNLESS INDICATED OTHERWISE.
5. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ARCHITECTURAL REFLECTED CEILING PLANS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION SUCH AS CEILING HEIGHTS, TYPES, SOFFITS AND OR OTHER DEVICE LOCATIONS.
6. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ELECTRICAL DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF LIGHTS, AND CEILING MOUNTED DEVICES WHICH MAY INTERFERE WITH SPRINKLER HEAD LOCATIONS OR SPRAY PATTERNS.
7. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE HVAC DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF CEILING MOUNTED DEVICES SUCH AS DIFFUSERS, GRILLS, REGISTORS, AND ALSO THE LOCATIONS OF HEAT PRODUCING EQUIPMENT AND DUCTWORK REQUIRING SPRINKLER PROTECTION BELOW IT.
8. THE FIRE PROTECTION CONTRACTOR SHALL PROVIDE PIPE EXPANSION JOINTS ALL BUILDING EXPANSION JOINT LOCATIONS AND EXPANSION LOOPS AT ALL BUILDING EXPANSION/SEISMIC JOINT LOCATIONS AS REQUIRED PER NFPA 13 AND BUILDING CODES. REVIEW ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR EXACT LOCATIONS OF EXPANSION AND SEISMIC JOINTS.
9. THE FIRE PROTECTION CONTRACTOR SHALL INSTALL ALL PIPING EQUIPMENT AND ACCESSORIES IN ACCORDANCE WITH THE LATEST STATE BUILDING CODE AND LOCAL AUTHORITIES HAVING JURISDICTION. COORDINATION BETWEEN TRADES IS REQUIRED TO INSURE COMPLIANCE WITH THE GOVERNING CODES.
10. ALL PIPING, EQUIPMENT OR ACCESSORIES INSTALLED IN PLENUM RATED CEILINGS SHALL BE LISTED AND APPROVED FOR SUCH INSTALLATION.

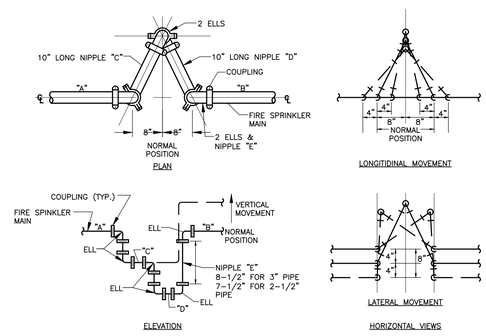


NOTES:

1. PIPE SLEEVES THROUGH RATED WALLS
   A. PIPE SLEEVES THROUGH FIRE–RATED MASONRY PARTITIONS OR FOUNDATION WALLS SHALL BE SCHEDULE 80 BLACK STEEL WITH MAXIMUM OF 1/2" CLEARANCE BETWEEN SLEEVE AND PIPE. SLEEVE SHALL BE EQUAL IN LENGTH TO DEPTH OF PARTITION OR WALL.
   B. PIPE SLEEVES THROUGH FIRE–RATED STUD PARTITIONS SHALL BE #18 GAGE GALVANIZED STEEL WITH MAXIMUM OF 1" CLEARANCE BETWEEN SLEEVE AND PIPE. SLEEVE SHALL BE EQUAL IN LENGTH TO DEPTH OF PARTITION.
2. ESCUTCHEONS
   A. ESCUTCHEONS IN FINISHED SPACES SHALL BE ANODIZED ALUMINUM OR CHROME–PLATED BRASS.
   B. ESCUTCHEONS IN UNFINISHED SPACES SHALL BE PLAIN BRASS, ALUMINUM, GALVANIZED STEEL OR CAST IRON.
   C. ESCUTCHEONS SHALL BE HELD IN PLACE BY INTERNAL SPRING TENSION OR SET SCREW.

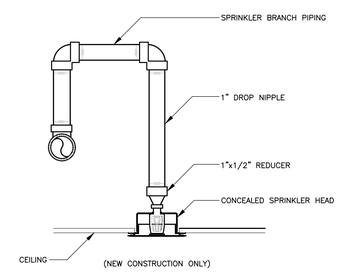
FIRE RATED WALL PENETRATION DETAIL

N.T.S.



SEISMIC INSTALLATION DETAIL - SEISMIC SEPARATION ASSEMBLY

N.T.S.



CONCEALED SPRINKLER HEAD DETAIL

SCALE: N.T.S.

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FIRE PROTECTION NOTES, LEGENDS, DETAILS, AND SCHEDULES

PROJ. NO. JH2020	DRAWING NO. FP-2.0
SCALE As Noted	
DATE JUNE 1, 2021	

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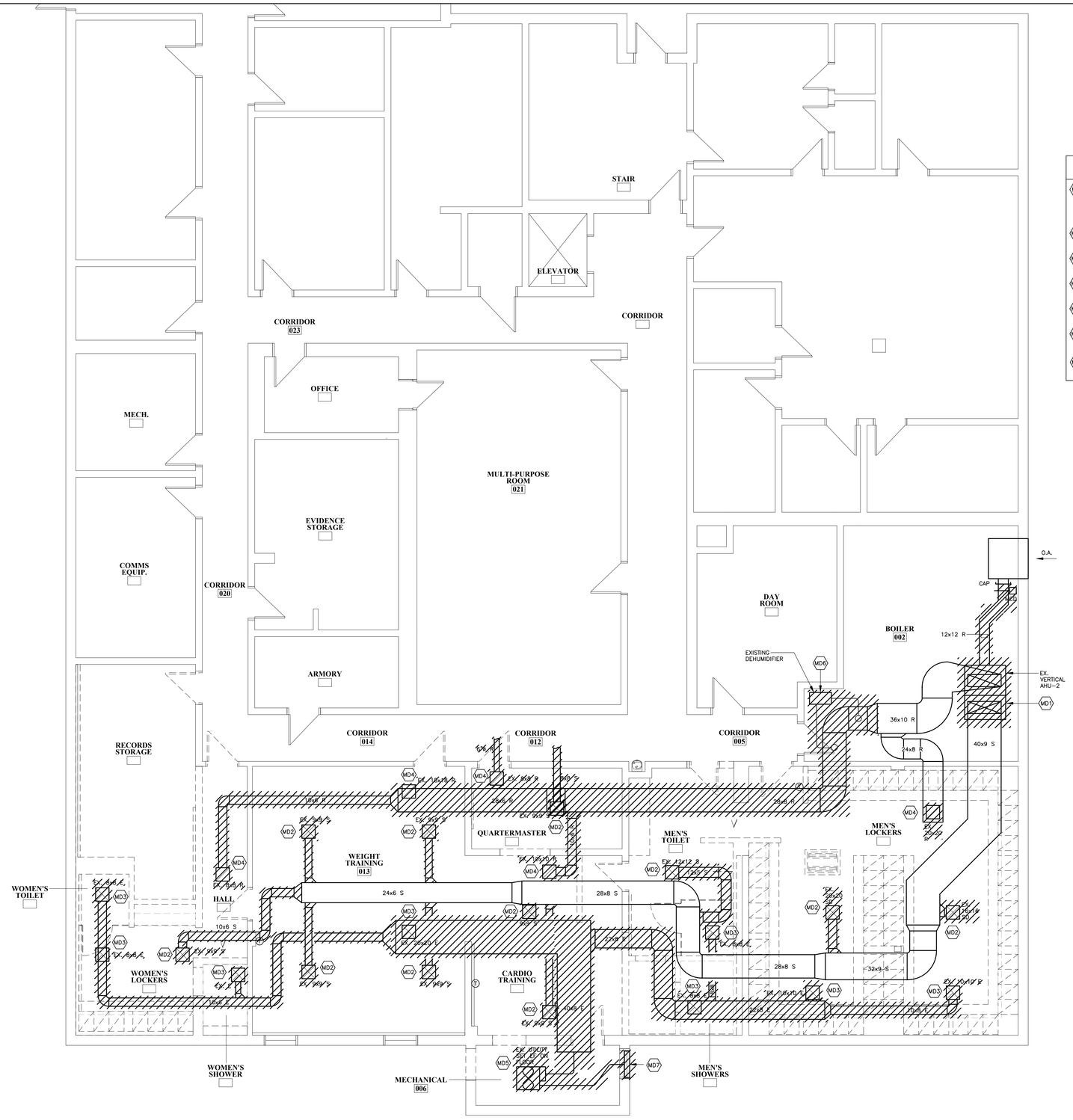


LOWER LEVEL MECHANICAL DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

MECHANICAL DEMOLITION NOTES

MD1 DISCONNECT, REMOVE, AND PROPERLY DISCARD EXISTING VERTICAL AIR HANDLING UNIT AHU-2 INCLUDING BUT NOT LIMITED TO MIXING PLENUM, O.A. DUCT, MOTORIZED DAMPER, ETC. CUT BACK ASSOCIATED CHILLED WATER AND HOT WATER HEATING PIPING TO EXISTING ISOLATION VALVES, CONTROL VALVES, SPECIALTIES, ETC. REMOVE ASSOCIATED POWER WIRING BACK TO EXISTING PANEL.

MD2 DISCONNECT, REMOVE, AND DISCARD EXISTING CEILING SUPPLY DIFFUSER. REMOVE ASSOCIATED BRANCH DUCT AND VOLUME DAMPER BACK TO MAIN AND CAP.

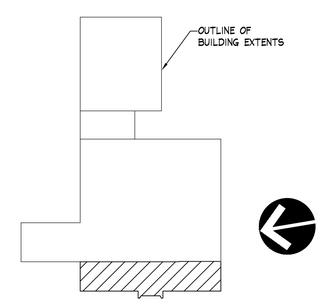
MD3 DISCONNECT, REMOVE, AND DISCARD EXISTING CEILING EXHAUST GRILLES. REMOVE ASSOCIATED EXHAUST DUCT AS SHOWN INCLUDING VOLUME DAMPERS.

MD4 DISCONNECT, REMOVE, AND DISCARD EXISTING CEILING RETURN GRILLES. REMOVE ASSOCIATED RETURN DUCT AS SHOWN INCLUDING VOLUME DAMPERS. CAP DUCT OPENINGS TO PREVENT DEBRIS FROM ENTERING DUCT.

MD5 DISCONNECT, REMOVE, AND DISCARD EXISTING FLOOR MOUNTED UTILITY SET EXHAUST FAN INCLUDING ASSOCIATED DUCTWORK AS SHOWN. REMOVE POWER WIRING BACK TO EXISTING PANEL.

MD6 DISCONNECT, REMOVE, AND DISCARD EXISTING FLOOR MOUNTED DEHUMIDIFIER UNIT INCLUDING BUT NOT LIMITED TO ASSOCIATED DUCTWORK, ELECTRICAL POWER AND CONTROLS.

MD7 DISCONNECT, REMOVE & DISCARD EXISTING WALL LOUVER AND ASSOCIATED SHEET METAL PLENUM. EXISTING FRAME SHALL REMAIN FOR REPLACEMENT LOUVER.



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LOWER LEVEL MECHANICAL DEMOLITION PLAN

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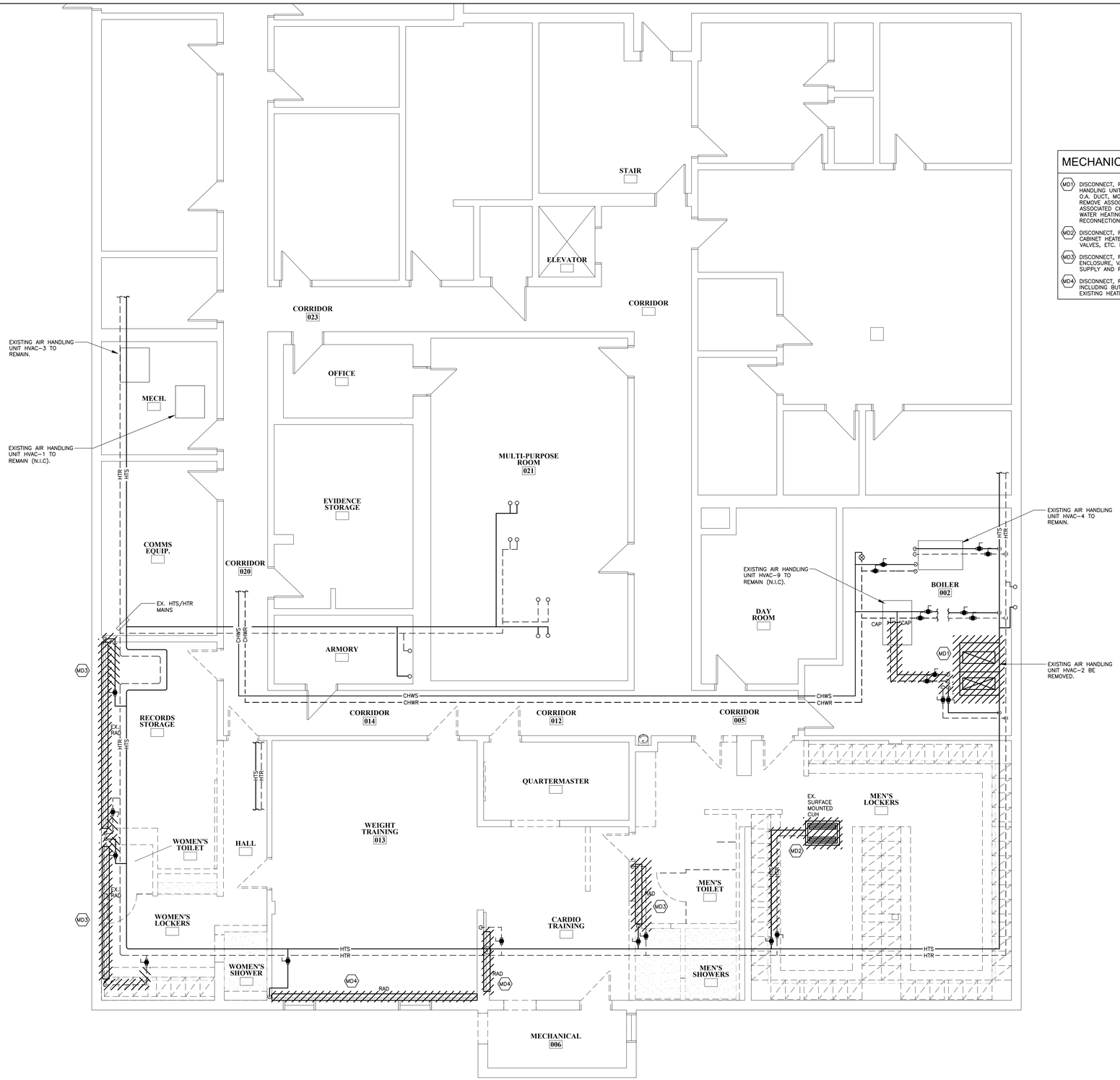


LOWER LEVEL MECHANICAL PIPING DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

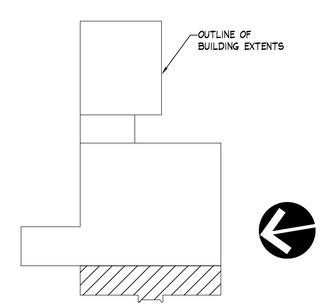
MECHANICAL PIPING DEMOLITION NOTES

MD1 DISCONNECT, REMOVE, AND PROPERLY DISCARD EXISTING VERTICAL AIR HANDLING UNIT AHU-2 INCLUDING BUT NOT LIMITED TO MIXING PLENUM, O.A. DUCT, MOTORIZED DAMPER, CONTROL VALVES, SPECIALTIES, ETC. REMOVE ASSOCIATED POWER WIRING BACK TO EXISTING PANEL. CUT BACK ASSOCIATED CHILLED WATER PIPING BACK TO MAINS & CAP. CUT BACK HOT WATER HEATING PIPING TO EXISTING ISOLATION VALVES AND PREP FOR RECONNECTION.

MD2 DISCONNECT, REMOVE, AND DISCARD EXISTING CEILING SURFACE MOUNTED CABINET HEATER. CUT BACK ASSOCIATED HOT WATER HEATING PIPING, VALVES, ETC. BACK TO HOT WATER SUPPLY AND RETURN MAINS AND CAP.

MD3 DISCONNECT, REMOVE, AND DISCARD EXISTING BASEBOARD RADIATOR, ENCLOSURE, VALVES, ETC. CUT BACK ASSOCIATED HOT WATER HEATING SUPPLY AND RETURN BACK TO MAINS AND CAP.

MD4 DISCONNECT, REMOVE & DISCARD EXISTING RADIATOR ENCLOSURES INCLUDING BUT NOT LIMITED TO ASSOCIATED HARDWARE AND END PIECES. EXISTING HEATING ELEMENT AND PIPING SHALL REMAIN.



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LOWER LEVEL MECHANICAL PIPING DEMOLITION PLAN

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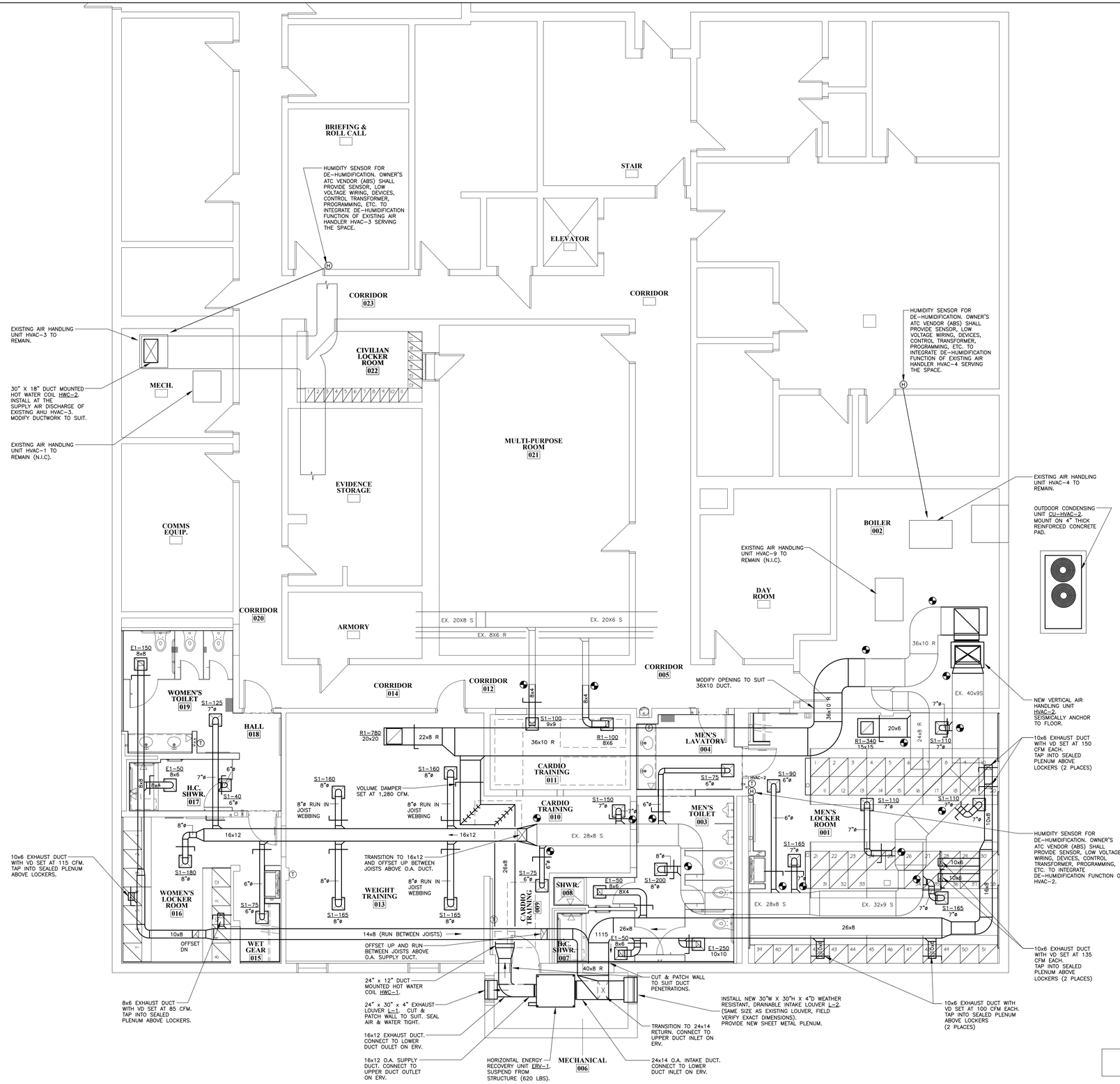
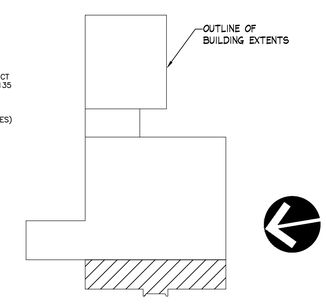


LOWER LEVEL MECHANICAL PLAN
SCALE: 3/16"= 1'-0"



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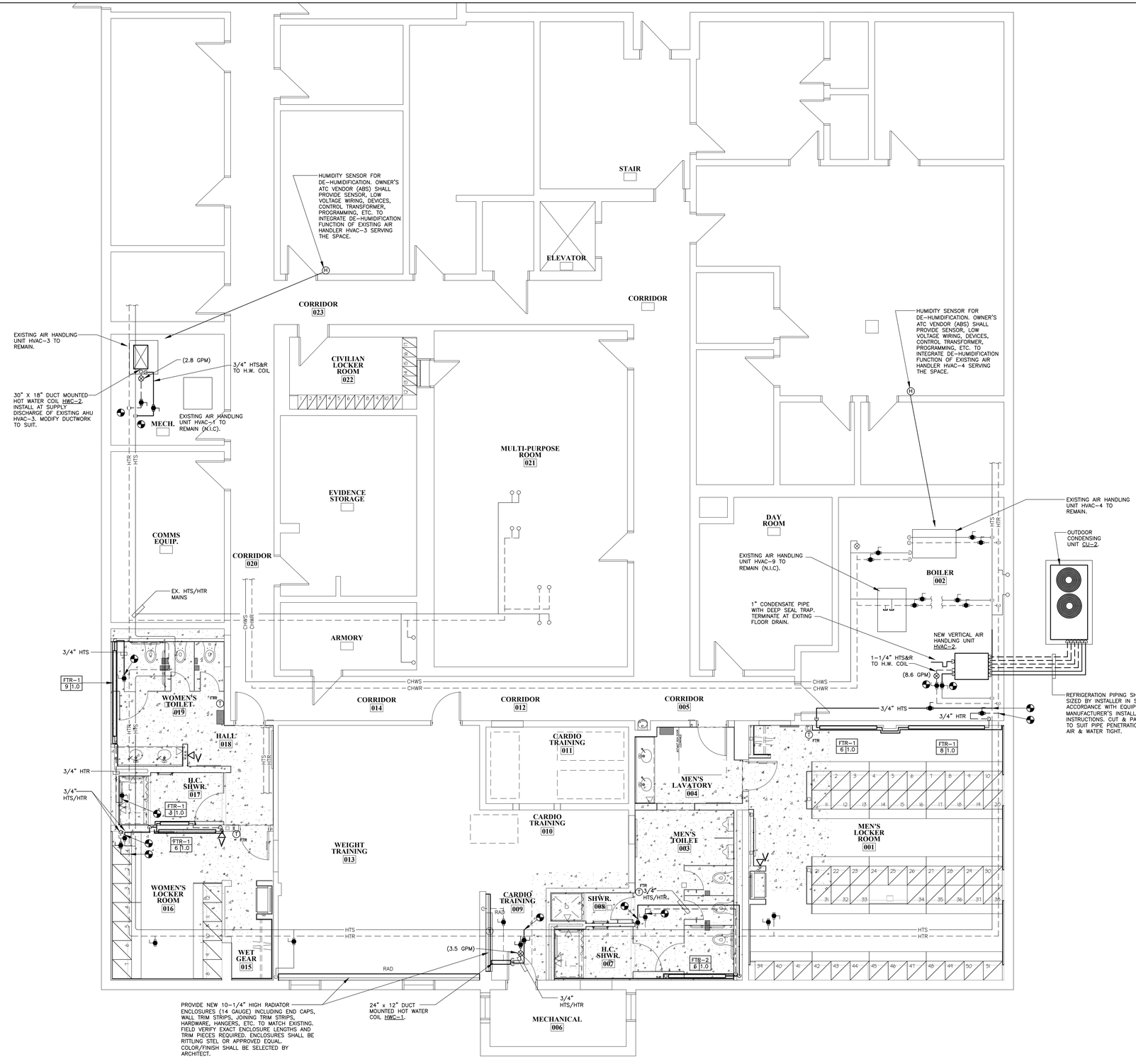

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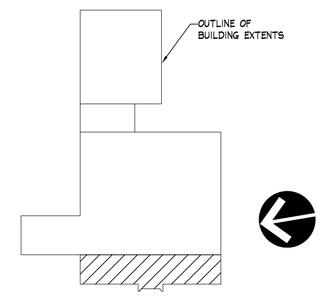

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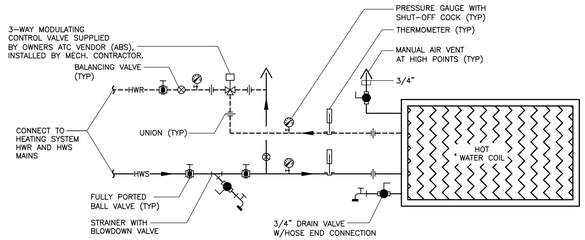
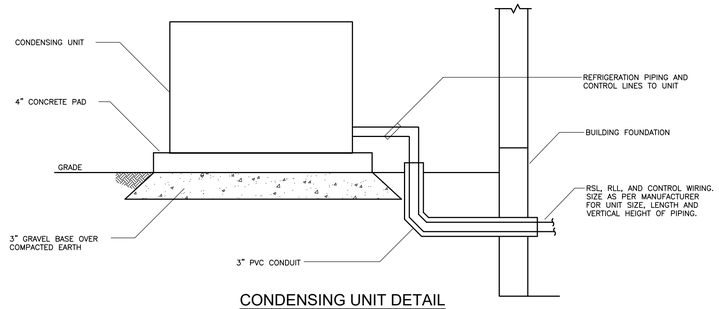
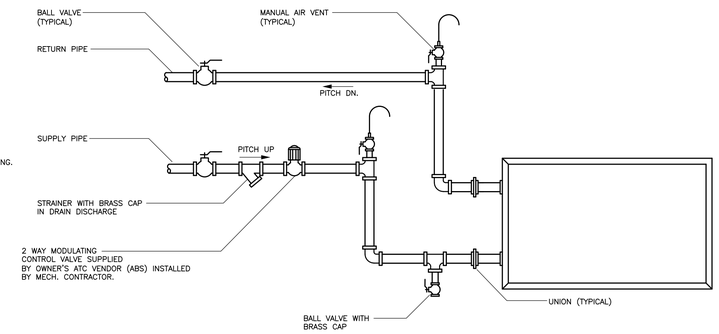


NOTE:
UNIONS MAY BE OMITTED AT CONTROL VALVE PROVIDED THAT CONTROL VALVE HAS FLANGED ENDS.

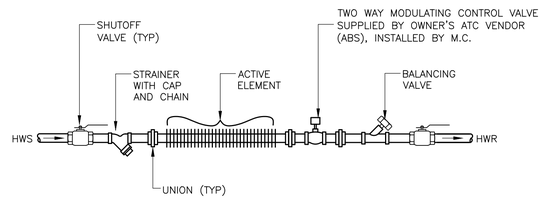
HOT WATER COIL (AHU HVAC-2) PIPING DETAIL
SCALE: N.T.S.



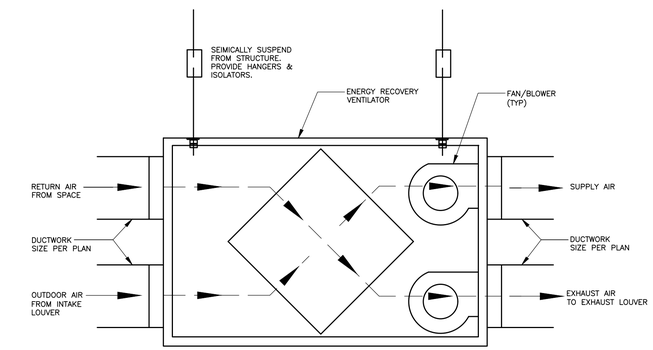
CONDENSING UNIT DETAIL
SCALE: N.T.S.



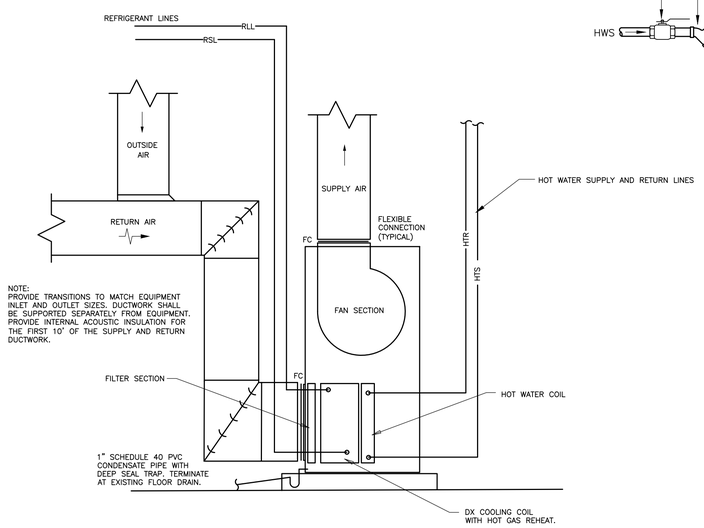
DUCT MOUNTED HOT WATER COIL PIPING DETAIL
SCALE: N.T.S.



FINTUBE RADIATION DETAIL
SCALE: NTS

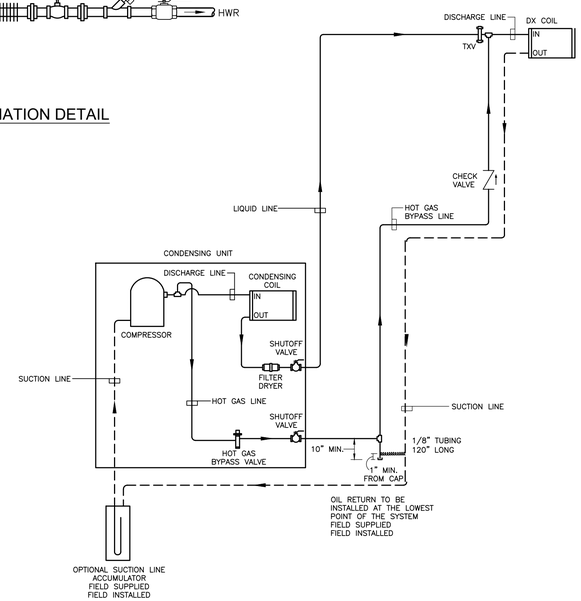


ENERGY RECOVERY VENTILATOR DETAIL
SCALE: N.T.S.

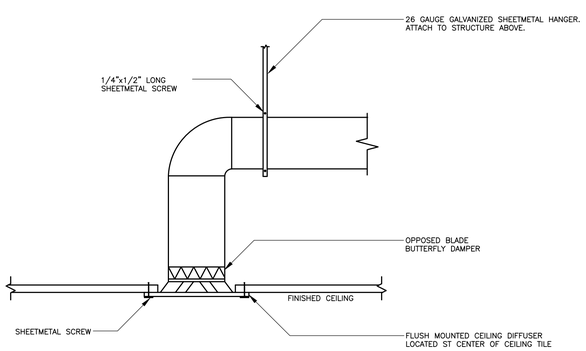


NOTE:
PROVIDE TRANSITIONS TO MATCH EQUIPMENT INLET AND OUTLET SIZES. DUCTWORK SHALL BE SUPPORTED SEPARATELY FROM EQUIPMENT. PROVIDE INTERNAL ACOUSTIC INSULATION FOR THE FIRST 10' OF THE SUPPLY AND RETURN DUCTWORK.

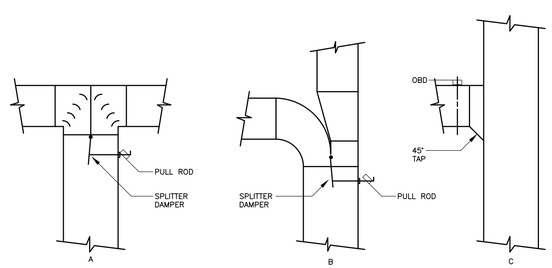
VERTICAL AIR HANDLING UNIT DETAIL
SCALE: N.T.S.



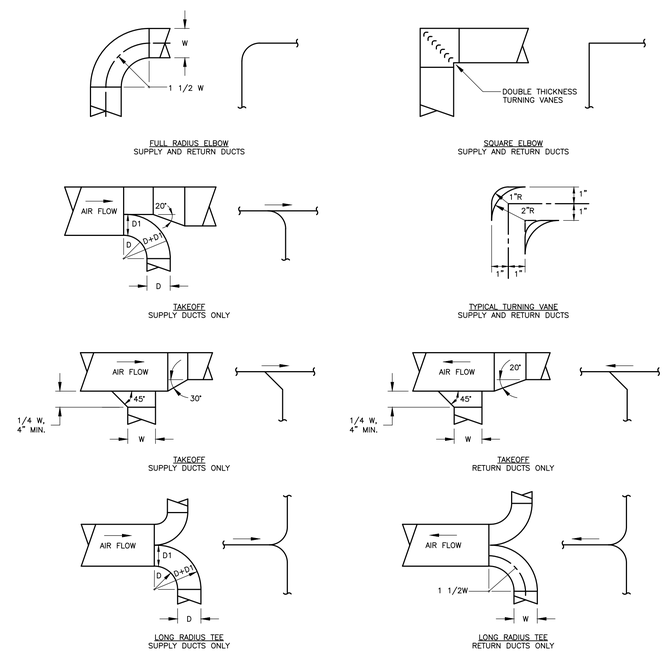
REFRIGERANT PIPING SCHEMATIC DETAIL
SCALE: N.T.S.



CEILING DIFFUSER DETAIL (HARD DUCT)
SCALE: N.T.S.



TYPICAL DUCT DETAIL
SCALE: N.T.S.



TYPICAL DUCT DETAILS WITH SINGLE LINE REPRESENTATION
SCALE: N.T.S.

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HVAC AND LOCKER ROOM IMPROVEMENTS AT

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MECHANICAL DETAILS

PROJ. NO. JH2020	DRAWING NO. M-2.0
SCALE NOT TO SCALE	
DATE JUNE 1, 2021	

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AIR HANDLING UNIT SCHEDULE

GENERAL DATA								DX COOLING COIL DATA								HOT WATER COIL DATA										ELECTRICAL DATA		
SYMBOL	MANUFACTURER MODEL NUMBER	AREA SERVED	LOCATION	COOLING (CFM)	HEATING (CFM)	ESP (IN)	SPEED	# OF ROWS	TOTAL COOLING (MBH)	SENSIBLE COOLING (MBH)	EAT WB/DB (DEG F°)	LAT WB/DB (DEG F°)	AIR PD (IN. WG)	COIL FACE VELOCITY (FPM)	EVAPORATOR SUCTION TEMP (DEG F)	#HIGH/ ROW/ F.P.I.	TOTAL HEATING (MBH)	EAT (DEG F°)	LAT (DEG F°)	AIR PD (IN. WG)	WATER FLOW (GPM)	EWT/LWT (DEG F°)	WPD (FT')	EFFICIENCY	FACE AREA (SQ. FT.)	AIR PD (IN. WG)	CONTROL	HP-VOLT-PH	NOTES
HVAC-2	AAON V3-CRB-8-0-162C-12F	LOCKER ROOMS & WEIGHT ROOM	BASEMENT MECHANICAL ROOM	2,400	2,400	1.0"	2,040	6	90.2	60.9	77.2/65.4	51.8/51.6	0.41"	337.5	44.9	1	86.0	62.0	95.0	0.18"	8.6	180/160	0.7	2" THICK MERV-13	15.2	0.07" CLEAN	24 VAC	4.0-208-3	1,2,3,4

NOTES:
1. PROVIDE WITH DISCONNECT SWITCH
2. PROVIDE DUCT SMOKE DETECTORS IN THE SUPPLY AND RETURN AIRSTREAMS.
3. PROVIDE EXTRA SET OF MERV-13 FILTER REPLACEMENTS.
4. PROVIDE WITH HOT GAS REHEAT.

ENERGY RECOVERY VENTILATOR UNIT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	LOCATION	O.A. HIGH/LOW (CFM)	O.A. ESP (IN. WG)	O.A. MOTOR HP	EXHAUST HIGH/LOW (CFM)	EXHAUST ESP (IN. WG)	EXHAUST MOTOR HP	WINTER DESIGN PARAMETERS		WINTER SUPPLY TEMP (DB/WB DEG)	SUMMER DESIGN PARAMETERS		SUMMER SUPPLY TEMP (DB/WB DEG)	MOTOR DATA MCA-VOLT-PH	MOTOR (RPM)	FILTER (%EFF-SIZE)	WEIGHT (LBS)	NOTES
									O.A. (DB/WB)	INDOOR (DB) HUMIDITY (RH)		O.A. (DB/WB)	INDOOR (DB) HUMIDITY (RH)						
ERV-1	RENEWAIRE HE-2XJINH-S35UU	BASEMENT FAN ROOM	1,280	0.5"	1.5	1,495	0.5"	1.5	5.2/3.0	30% RH	55.9/44.7	90.6/73.8	55% RH	78.4/67.5	10.8-208-3	1220	MERV-8	500	1,2,3

NOTES:
1. PROVIDE DISCONNECT SWITCHES
2. SEISMICALLY SUSPEND FROM STRUCTURE.
3. PROVIDE WITH BELT DRIVE TEFC FAN MOTORS.

AIR COOLED CONDENSING UNIT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	TYPE	SYSTEM SERVED	TOTAL CAPACITY MBH	NOMINAL TONS	AMB AIR TEMP DEG F	ELECTRICAL DATA MCA-VOLT-PH	MOCP (AMP)	NOTES
CU-HVAC-2	AAON CFA-009-B-A-8	DX	HVAC-2	90.2	7.5	95	39.0-208-3	50.0 A	1,2,3,4

NOTES:
1. PROVIDE DISCONNECT SWITCH.
2. REFRIGERATION TYPE SHALL BE R410A.
3. REFRIGERATION PIPING SHALL BE SIZED BY INSTALLER IN ACCORDANCE WITH EQUIPMENT MFR'S INSTALLATION INSTRUCTIONS.
4. MOUNT ON 4" THICK REINFORCED CONCRETE PAD.

LOUVER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	SYSTEM SERVED	AIRFLOW (CFM)	MAXIMUM VELOCITY (FPM)	AIR P.D. (IN. WG)	LOUVER WIDTH (IN.)	LOUVER LENGTH (IN.)	LOUVER THICKNESS (IN.)	MINIMUM FREE AREA (SQ. FT.)	MAXIMUM WATER PENETRATION (OZ./SQ. FT.)	NOTES
L-1	RUSKIN ELF375DX	ERV-1 EXHAUST	1,600	700 MAX	0.09"	24"	30"	4"	2.54	0.01	1,2,3
L-2	RUSKIN ELF375DX	ERV-1 INTAKE	1,600	700 MAX	0.09"	30"	30"	4"	3.23	0.01	1,2,3,4

NOTES:
1. ALUMINUM CONSTRUCTION
2. COLOR/FINISH SHALL BE SELECTED BY ARCHITECT
3. WEATHER-RESISTANT, DRAINABLE LOUVER
4. INSTALL IN EXISTING OPENING. FIELD VERIFY EXACT SIZE PRIOR TO ORDERING.

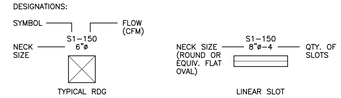
GRILLE, DIFFUSER AND REGISTER SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	DUTY	TYPE	BORDER TYPE	CONSTRUCTION			NOTES
					OBD	FRAME	BLADES	
S1	KRUEGER 5SH SERIES	SUPPLY	D.D.	LAY IN	–	ALUMINUM	ALUMINUM	1,4,7
S2	KRUEGER 5SH SERIES	SUPPLY	D.D.	FRAME 22	–	ALUMINUM	ALUMINUM	1,4,7
R1	KRUEGER S580 SERIES	RETURN	L.F.	LAY IN	–	ALUMINUM	ALUMINUM	4,5,7
E1	KRUEGER S580 SERIES	EXHAUST	L.F.	LAY IN	–	ALUMINUM	ALUMINUM	4,5,7

TYPES:
L.S. – LINEAR SLOT
L.B. – LINEAR BAR
D.D. – DIRECTIONAL DIFFUSER
P.F. – PERFORATED FACE
L.F. – LOUVERED FACE
C.C. – CUBE CORE
S.W. – SIDE WALL
S.W./C.G.-SIDE WALL OR CEILING

NOTES:
1. SQUARE TO ROUND TRANSITION.
2. OPPOSED BLADE DAMPER.
3. DOUBLE DEFLECTION.
4. FACE VELOCITY 600 FPM MAX.
5. 35° DEFLECTION (FIXED).
6. 35° DEFLECTION (FULLY ADJUSTABLE).
7. NC LEVEL NOT TO EXCEED 25.
8. INSULATED PLENUM BOOT.
9. HINGED CORE WITH 1" DISPOSABLE FILTER.

DESIGNATIONS:



FIN TUBE RADIATION ELEMENT SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	HOT WATER CAPACITY BTU/HR/LF	EWT (DEG F)	CONNECTION SIZE	ROWS OF ELEMENT	ENCLOSURE HEIGHT	ELEMENT LENGTHS	NOTES
FTR-1	RITTLING MODEL ETO 3/4C-4¼x4¼-48	1,030	180 F	3/4"	1	10-5/8"	SEE PLANS	1,2,4
FTR-2	RITTLING MODEL ETO 3/4C-4¼x4¼-48	1,670	180 F	3/4"	2	10-5/8"	SEE PLANS	1,3,4

TYPE
HW = HOT WATER

NOTES:
1. PROVIDE RITTLING MODEL STEL ENCLOSURE WITH 20 GAUGE BACK PANEL, ELEMENT BRACKETS, END CAP, WALL TRIM & MOUNTING HARDWARE.
2. ENCLOSURE SHALL BE 16 GAUGE COLD ROLLED STEEL. COLOR/FINISH PER ARCHITECT.
3. ENCLOSURE SHALL BE 16 GAUGE 316 STAINLESS STEEL
4. 2 WAY MODULATING CONTROL VALVE SHALL BE SUPPLIED BY OWNER'S ATC VENDOR (ABS), INSTALLED BY M.C.

DUCT MOUNTED HOT WATER COIL SCHEDULE

SYMBOL	MANUFACTURER MODEL NUMBER	SYSTEM SERVED	TYPE	SIZE	# OF ROWS	AIR FLOW (CFM)	TOTAL CAPACITY MBH	EAT DEG F° DB	LAT DEG F° DB	WATER FLOW GPM	WATER P.D. FT. HD	EWT/LWT DEG F°	AIR P.D. IN. WG	NOTES
HWC-1	DAIKIN 5BB1301B	ERV-1	HW	24X12	1	1,280	34.6	45.0	70.0	3.5	1.3	180/160	0.19	1,2,3
HWC-2	DAIKIN 5BB1301B	EXISTING HVAC-3	HW	30X18	1	2,515	27.2	55.0	65.0	2.8	1.8	180/160	0.19	1,2,3

HW = HOT WATER

NOTES:
1. 2 WAY MODULATING CONTROL VALVE SUPPLIED BY OWNER'S ATC VENDOR (ABS), INSTALLED BY MECHANICAL CONTRACTOR.
2. SEE COIL PIPING DETAIL ON M-2.0.
3. COPPER TUBE, ALUMINUM FIN CONSTRUCTION.

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AMB	AMBIENT
AMP	AMPERE (AMP, AMPS)
BAL	BALANCE
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CFM	CUBIC FEET PER MINUTE
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CLG	COOLING
CU	CONDENSING UNIT
EAT	ENTERING AIR TEMPERATURE
EF	EXHAUST FAN
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
°F	DEGREES FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FPM	FEET PER MINUTE
FT	FEET
FTR	FIN TUBE RADIATION
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
H-1	HUMIDIFIER
HWC	HOT WATER COIL
HP	HORSE POWER
HTR	HEATING RETURN (HOT WATER)
HTS	HEATING SUPPLY (HOT WATER)
HTG	HEATING
Hz	FREQUENCY
IN.	INCH
IN. WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LBS/HR	POUNDS PER HOUR
LWT	LEAVING WATER TEMPERATURE
MBH	BTU PER HOUR (THOUSAND)
N.T.S.	NOT TO SCALE
O.A.	OUTSIDE AIR
OED	OPEN END DUCT
P-1	PUMP
PD	PRESSURE DROP
PH	PHASE
PSI	POUNDS PER SQUARE INCH
RDG	REGISTER DIFFUSER GRILLE
RET	RETURN
RH	RELATIVE HUMIDITY
RPM	ROTATIONS PER MINUTE
SP-1	SUMP PUMP
SQ.FT.	SQUARE FEET
SUP	SUPPLY
T&P	TEMPERATURE & PRESSURE RELIEF VALVE
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VD	VOLUME DAMPER
VIF	VERIFY IN FIELD
WB	WET BULB
WP	WORKING PRESSURE
ZC	ZONE CONTROLLER
ZV	ZONE VALVE

MECHANICAL GENERAL NOTES

1. THESE GENERAL NOTES ARE APPLICABLE TO ALL MECHANICAL DRAWINGS.
2. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL INTENT OF WORK. SEE DETAILS, SCHEDULES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
3. MECHANICAL CONTRACTOR MUST REVIEW DRAWINGS OF THE OTHER TRADES AS PART OF THIS CONTRACT FOR ADDITIONAL WORK REQUIRED AND OR COORDINATION OF HIS WORK FOR OPERATIONS OR CONNECTIONS TO OTHER SYSTEMS.

MECHANICAL LEGEND

- DIFFUSER/GRILLE – SUPPLY
- GRILLE/REGISTER – RETURN
- GRILLE/REGISTER – EXHAUST
- ROUND DUCT UP
- ROUND DUCT DN
- SIDEWALL GRILLE/REGISTER – SUPPLY/RETURN/EXHAUST
- LINEAR SLOT DIFFUSER/BAR GRILLE – SUPPLY
- AIR FLOW DIRECTION INDICATOR – SUPPLY
- AIR FLOW DIRECTION INDICATOR – RETURN
- DUCT RISER – SUPPLY/COMBUSTION AIR
- DUCT DROP – SUPPLY/COMBUSTION AIR
- DUCT RISER – RETURN/EXHAUST
- DUCT DROP – RETURN/EXHAUST
- EXHAUST FAN
- DUCTLESS SPLIT 4-WAY CASSETTE
- THERMOSTAT
- VOLUME DAMPER
- MOTORIZED DAMPER
- REDUCER
- HTS — HOT WATER SUPPLY – HEATING
- HTR — HOT WATER RETURN – HEATING
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- RLL — REFRIGERANT LIQUID LINE
- RSL — REFRIGERANT SUCTION LINE
- CD — CONDENSATE WASTE
- FOS — FUEL OIL SUPPLY
- FOR — FUEL OIL RETURN
- G — GAS (NATURAL OR LPG)
- A — COMPRESSED AIR
- DIRECTION OF FLOW
- PIPE DOWN
- PIPE DROP
- PIPE RISE
- PIPE ANCHOR
- PIPE GUIDE or SLEEVE
- PIPE EXPANSION FITTING (AT BLDG. EXP.JOINTS)
- PLUGGED OR CAPPED PIPE
- EXISTING TO BE REMOVED
- CONNECT TO EXISTING
- TEMPERATURE GAUGE
- PRESSURE GAUGE
- STRAINER – 'Y' TYPE (OR)
- UNION
- BALANCING VALVE
- BALL VALVE
- CHECK VALVE
- 3-WAY VALVE (MOTORIZED)
- SOLENOID VALVE
- GAS VALVE (BALL OR PLUG)
- HOSE BIBB (H.B.)
- GAS PRESSURE REGULATOR
- TEMPERATURE & PRESSURE RELIEF VALVE (T&P)
- CIRCULATOR PUMP

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SUBMISSIONS & REVISIONS

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FAX 860-828-9223

MECHANICAL NOTES, LEGENDS, AND SCHEDULES

PROJ. NO.	DRAWING NO.
JH2020	M-2.1
SCALE: NOT TO SCALE	
DATE: JUNE 1, 2021	

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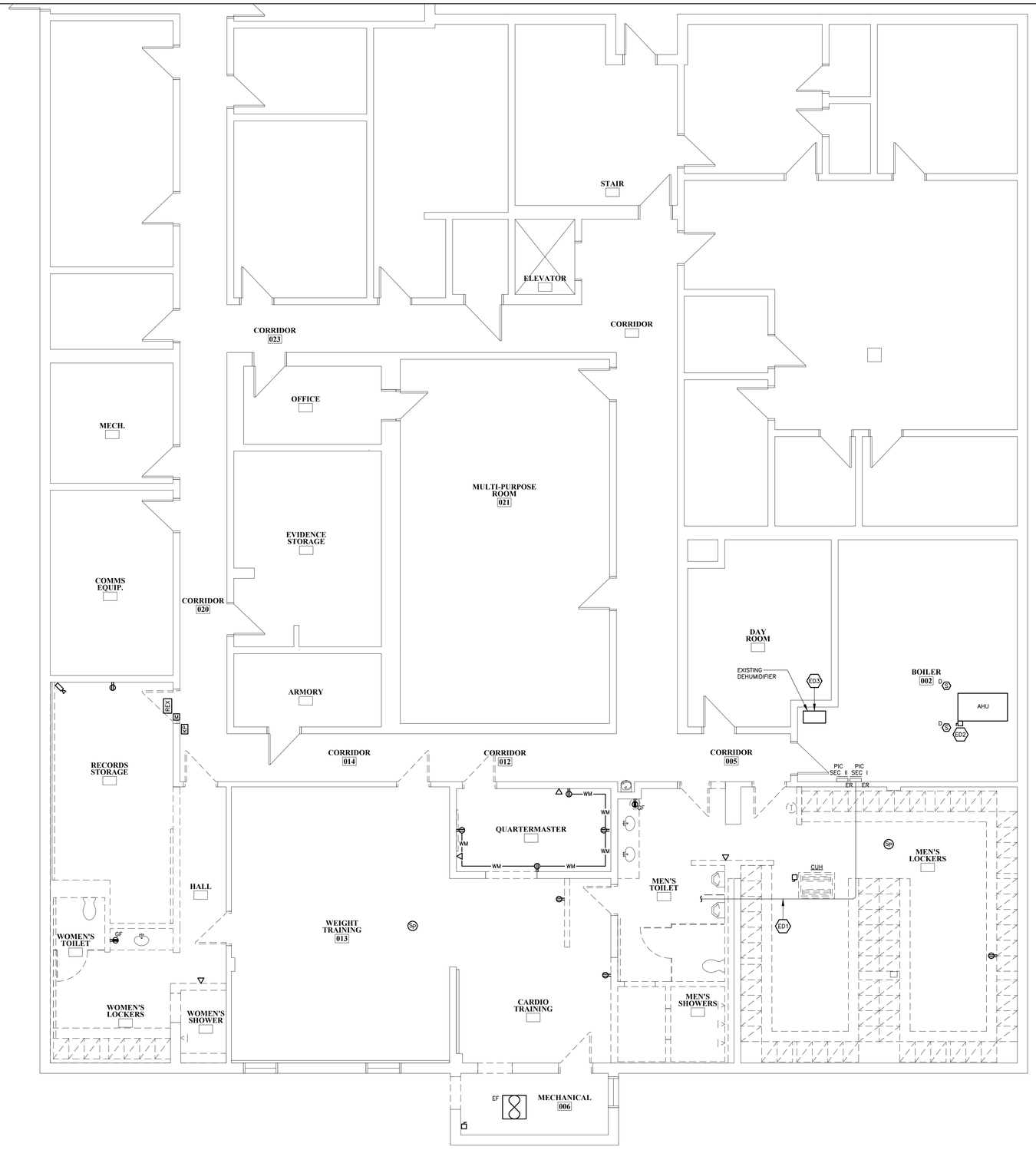


LOWER LEVEL POWER DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

DEMOLITION GENERAL NOTES

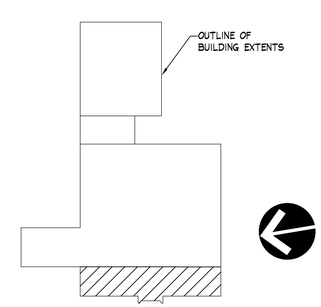
1. UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
3. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH THE EXISTING SYSTEMS AND CONDITIONS IN AREAS OF RENOVATION.
4. ANY SYSTEMS OR EQUIPMENT TO REMAIN ACTIVE DURING RENOVATION SHALL BE KEPT IN OPERATION BY PROVIDING TEMPORARY CONNECTIONS AS REQUIRED UNTIL NEW SYSTEMS ARE INSTALLED AND OPERATIONAL.
5. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER, CM, AND OR GENERAL CONTRACTOR ANY AND ALL PHASING OF THE MECHANICAL DEMOLITION WORK IN ORDER TO SATISFY THE CONSTRUCTION SCHEDULE AND OWNERS OCCUPANCY REQUIREMENTS.
6. ANY ELECTRICAL EQUIPMENT TO BE REMOVED AND REUSED OR TURNED OVER TO THE OWNER, AT OWNERS REQUEST, OR AS INDICATED ON THE DRAWINGS SHALL BE CAREFULLY REMOVED AND STORED TO PREVENT DAMAGE.
7. THE ELECTRICAL CONTRACTOR SHALL ALSO REVIEW THE ARCHITECTURAL DEMOLITION DRAWINGS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
8. ALL SERVICE INTERRUPTIONS SHALL BE COORDINATED AND APPROVED WITH THE OWNER IN ADVANCE PRIOR TO COMMENCEMENT OF ANY WORK.
9. THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS DEMOLITION WORK WITH THAT OF OTHER TRADES IN ORDER TO AVOID CONFLICTS.

ELECTRICAL DEMOLITION NOTES

ED1 EXISTING FEEDER FROM MAIN DISTRIBUTION PANEL TO PANEL P1C SECTION 1 TO BE PROPERLY DISCONNECTED AND RELOCATED AS INDICATED IN THE ELECTRICAL POWER PLAN, DRAWING E-1.0.

ED2 DISCONNECT EXISTING AIR HANDLING UNIT. EXISTING SAFETY SWITCH AND BRANCH CIRCUIT WIRING TO REMAIN FOR REUSE.

ED3 DISCONNECT EXISTING DEHUMIDIFIER AND ASSOCIATED BRANCH CIRCUIT WIRING BACK TO SOURCE.



BUILDING KEY PLAN

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LOWER LEVEL POWER DEMOLITION PLAN

PROJ. NO.	DRAWING NO.
JH2020	DE-1.0
SCALE: As Noted	
DATE: JUNE 1, 2021	

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LOWER LEVEL LIGHTING DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

DEMOLITION GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
2. NO EQUIPMENT OR DEVICES THAT HAVE BEEN DISCONNECTED AND OR ABANDONED SHALL REMAIN.
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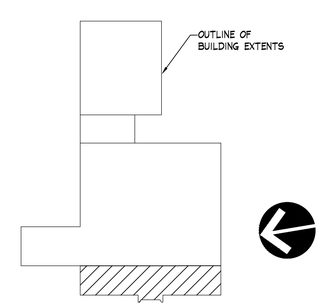


BUILDING KEY PLAN

INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
35 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

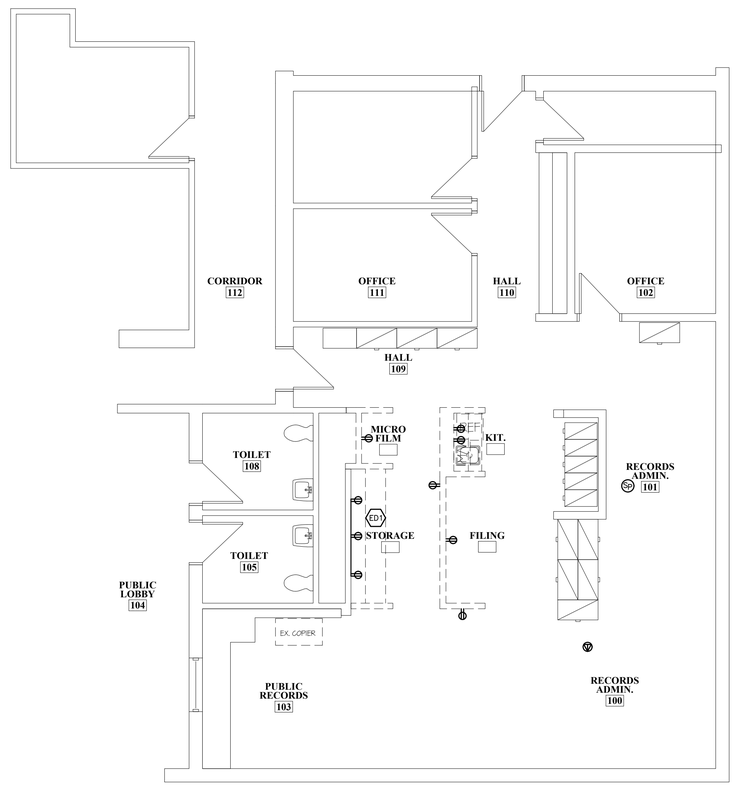
TOWN OF CHESHIRE *BID #2021-15*

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

LOWER LEVEL LIGHTING DEMOLITION PLAN

PROJ. NO.	DRAWING NO.
JH2020	DE-1.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

G:\IES Projects\2020 Projects\Team PJP\20108 Cheshire Police Locker Room Renovation\Contract Documents\20108 DE-1-1.dwg Plotted by lrogalski on May 26, 2021 - 9:24am



UPPER LEVEL POWER DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

DEMOLITION GENERAL NOTES

1. UNLESS OTHERWISE INDICATED, THE ELECTRICAL CONTRACTOR SHALL REMOVE ALL INDICATED ELECTRICAL EQUIPMENT, ACCESSORIES, CONTROLS, DEVICES, AND ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE OR LAST DEVICE.
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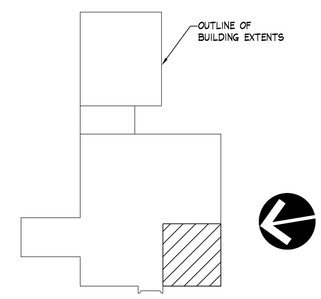
ELECTRICAL DEMOLITION NOTES

(ED) REMOVE SURFACE RACEWAY ALONG THIS WALL.



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UPPER LEVEL POWER DEMOLITION PLAN

PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	*DE-1.2*
DATE JUNE 1, 2021	

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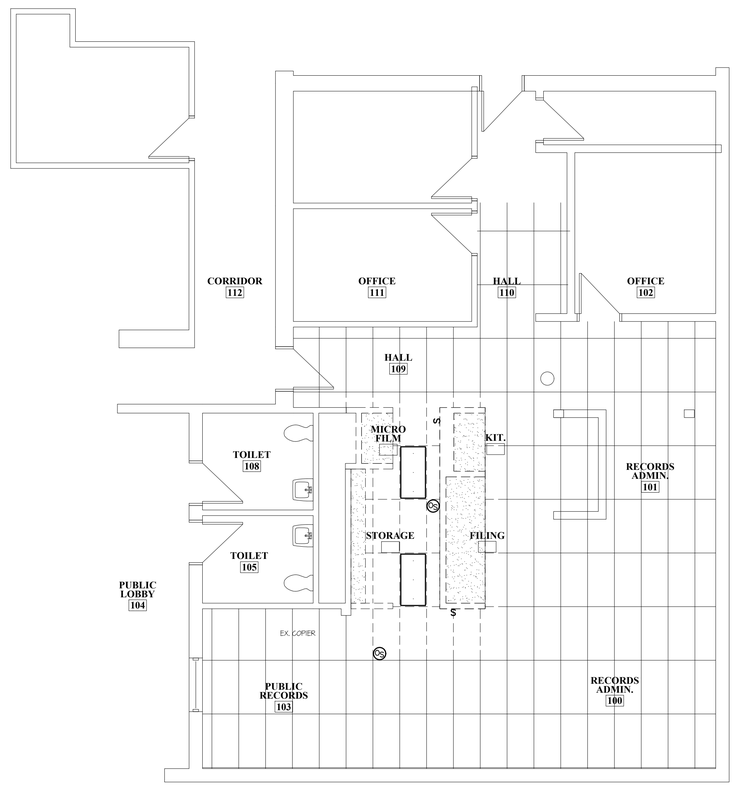

UPPER LEVEL LIGHTING DEMOLITION PLAN
SCALE: 3/16"= 1'-0"

DEMOLITION GENERAL NOTES

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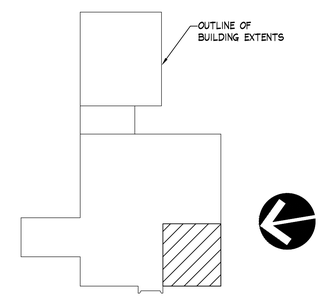

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UPPER LEVEL LIGHTING DEMOLITION PLAN

PROJ. NO. JH2020	DRAWING NO.
SCALE As Noted	DE-1.3
DATE JUNE 1, 2021	

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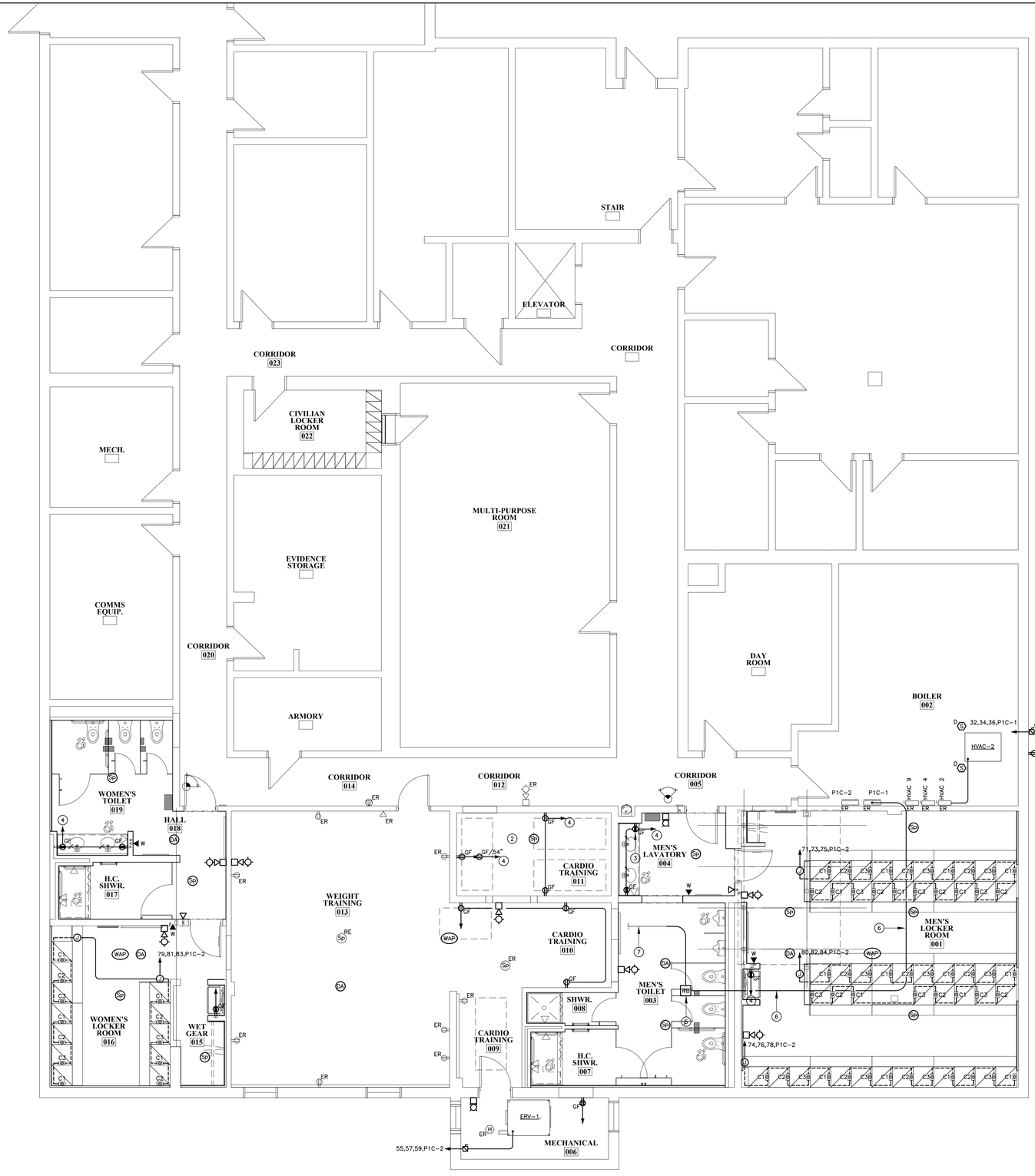
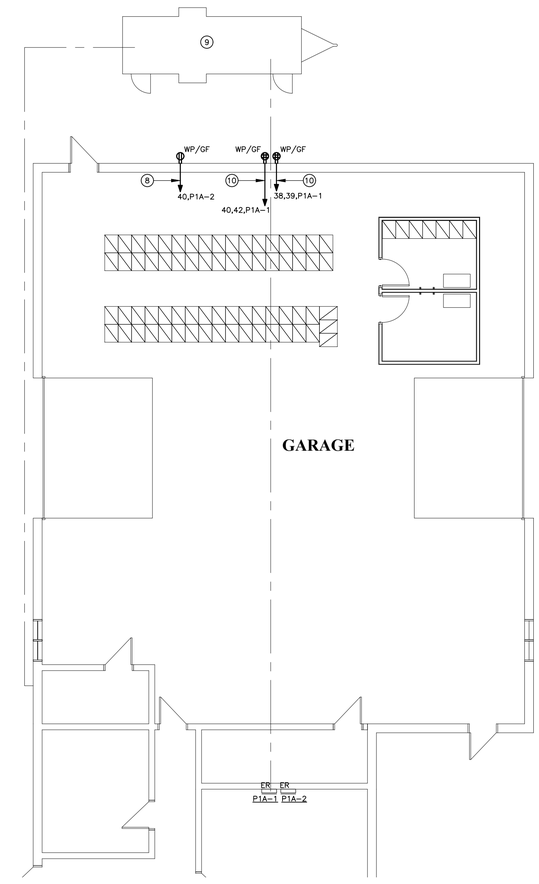


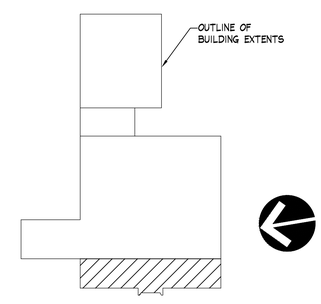
LOWER LEVEL POWER PLAN
SCALE: 3/16"= 1'-0"



LOWER LEVEL GARAGE POWER PLAN
SCALE: 1/8"= 1'-0"

DRAWING NOTES

1. ALL NEW BRANCH CIRCUITS TO BE WIRED BACK TO EXISTING PANELS P1C SECTION 1 AND 2, TYPICAL.
2. PROVDE SURFACE METAL RACEWAYS AND BOXES WITHIN THIS ROOM.
3. REUSE EXISTING BACKBOX FOR NEW GFCI RECEPTACLE.
4. CONNECT TO EXISTING RECEPTACLE BRANCH CIRCUIT WIRING WITHIN THIS AREA.
5. 12"x12"x8" DEEP PULL BOX
6. 2-1/2" CONDUIT
7. EXISTING FEEDER TO MAIN DISTRIBUTION PANEL
8. 3/4"C, 2#12, #12G TO NEW 1P, 20A C.B. IN EXISTING PANEL P1A-2.
9. MOBILE TOILET/SHOWER TRAILER FACILITY. PROVIDE ALL NECESSARY ELECTRICAL CONNECTIONS PER TRAILER MANUFACTURER'S REQUIREMENTS.
10. 3/4"C, 4#12, #12G TO (2) NEW 1P, 20A C.B. IN EXISTING PANEL P1A-1.



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LOWER LEVEL POWER PLAN

PROJ. NO.	DRAWING NO.
JH2020	E-1.0
SCALE: As Noted	
DATE: JUNE 1, 2021	

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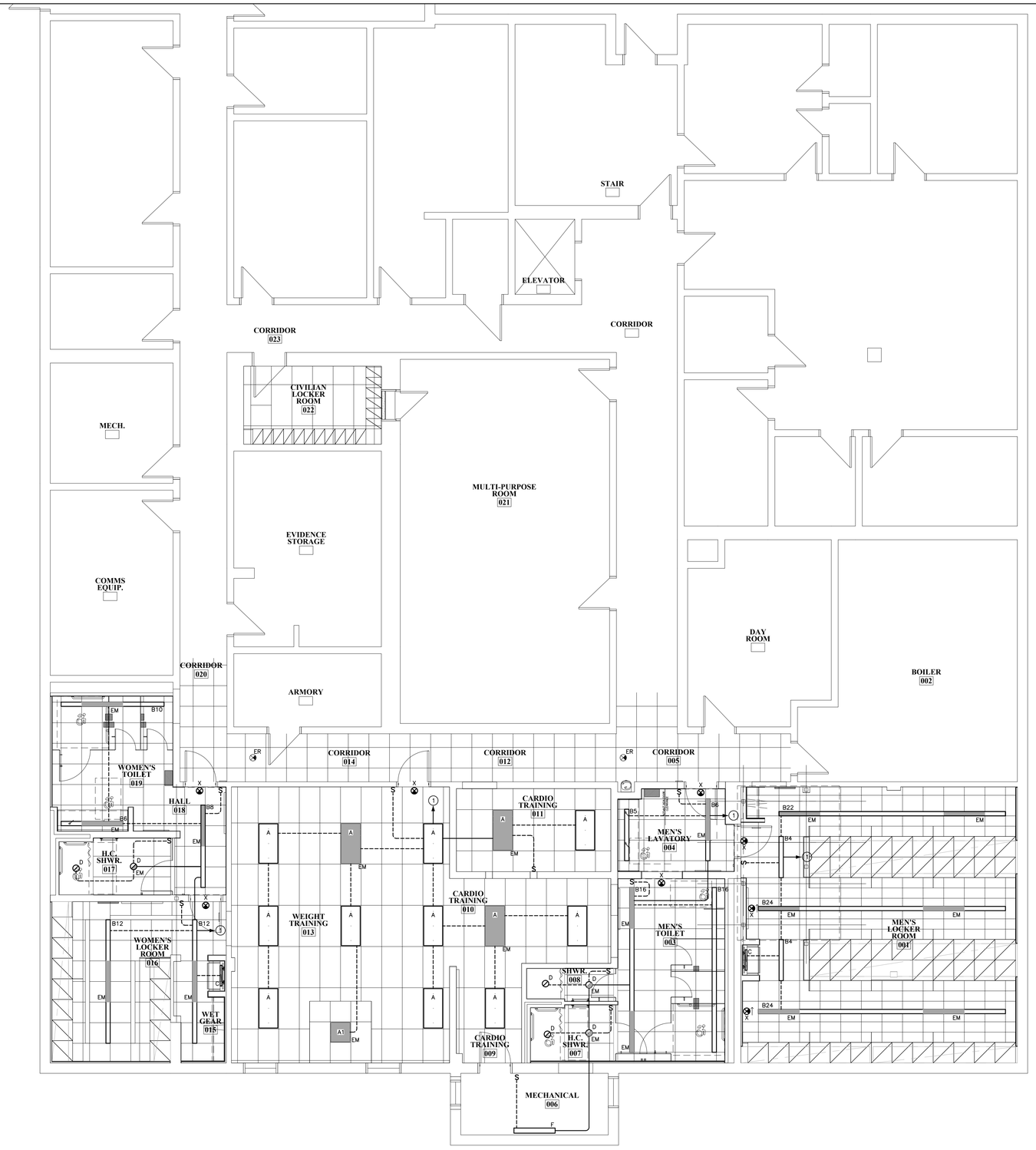
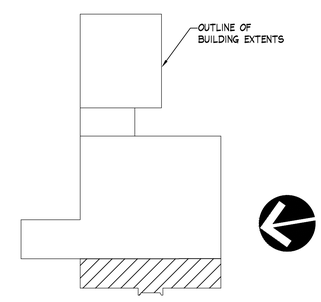


LOWER LEVEL LIGHTING PLAN
SCALE: 3/16"= 1'-0"

DRAWING NOTES

1. RECONNECT NEW LIGHT FIXTURES TO EXISTING BRANCH CIRCUIT WIRING UNLESS EXISTING WIRING IS DAMAGED.



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LOWER LEVEL LIGHITNG PLAN

PROJ. NO.	DRAWING NO.
JH2020	E-1.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

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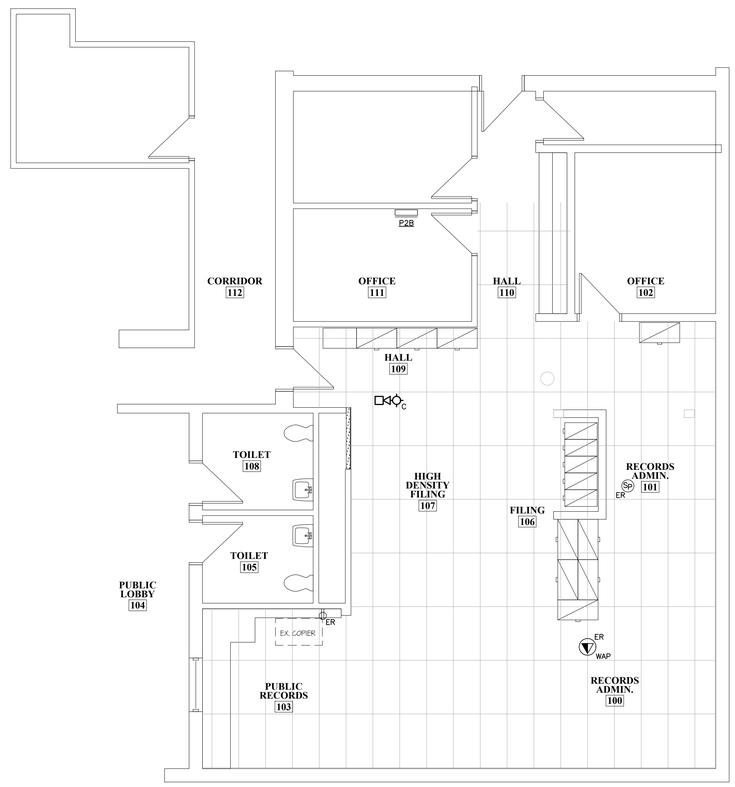
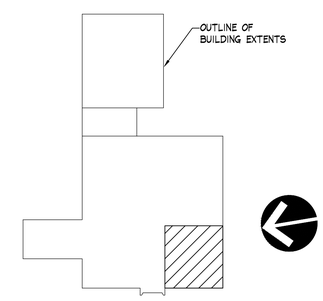


UPPER LEVEL POWER PLAN
SCALE: 3/16"= 1'-0"



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UPPER LEVEL POWER PLAN

PROJ. NO. JH2020	DRAWING NO. *E-1.2*
SCALE As Noted	
DATE JUNE 1, 2021	

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DRAWING NOTES

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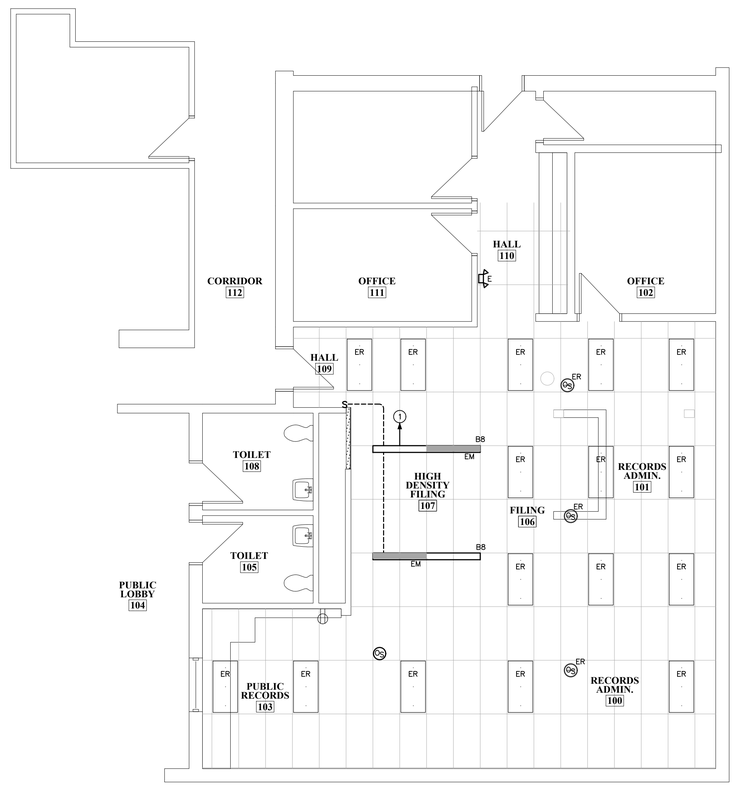
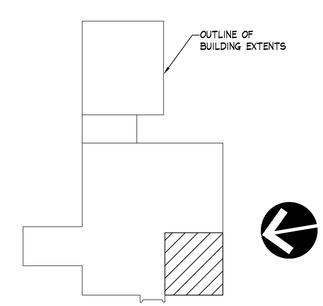


UPPER LEVEL LIGHTING PLAN
SCALE: 3/16"= 1'-0"



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UPPER LEVEL LIGHTING PLAN

PROJ. NO.	DRAWING NO.
JH2020	E-1.3
SCALE: As Noted	
DATE: JUNE 1, 2021	

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EXISTING PANEL P1C 1

RATING: 208Y/120V, 3 PHASE, 4WIRE
MAIN BUS: ☐ CU ☐ AL 225A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22kAIC

LOCATION: BOILER 002
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☒ SINGLE DOOR ☐ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
1	20	1	RECEPT MALE LOCKER RM	EXISTING	0.0	●			0.0	EXISTING	RECEPT DAY RM MICROWAVE	1	20	2
3	20	1	RECEPT QUARTER MASTER	EXISTING	0.0		●		0.0	EXISTING	RECEPT DAY RM GFCI	1	20	4
5	20	1	RECEPT FITNESS	EXISTING	0.0			●	0.0	EXISTING	RECEPT DAY RM REF	1	20	6
7	20	1	RECEPT YOUTH SQUAD	EXISTING	0.0	●			0.0	EXISTING	RECEPT INTERVIEW CONF	1	20	8
9	20	1	RECEPT TRAINING	EXISTING	0.0		●		0.0	EXISTING	RECEPT BUREAU SUPER	1	20	10
11	20	1	RECEPT YOUTH NARCOTICS	EXISTING	0.0			●	0.0	EXISTING	RECEPT INTERVIEW SQUAD	1	20	12
13	20	1	LTG YOUTH NARCODICS TOILET	EXISTING	0.0	●			0.0	EXISTING	LTG QUARTERMASTER	1	20	14
15	20	1	LTG CONF B	EXISTING	0.0		●		0.0	EXISTING	LTG FITNESS/MECH	1	20	16
17	20	1	LTG DAY RM	EXISTING	0.0			●	0.0	EXISTING	LTG HALL N.L.	1	20	18
19	20	1	LTG MALE LOCKER RM	EXISTING	0.0	●			0.0	EXISTING	RECEPT TREADMILL	1	20	20
21	20	1	FUME HOOD	EXISTING	0.0		●		0.0	EXISTING	RECEPT TREADMILL	1	20	22
23	20	1	VENDING MACH	EXISTING	0.0			●	0.0	EXISTING	SPARE	1	20	24
25	20	1	VENDING MACH	EXISTING	0.0	●			0.0	EXISTING	SPARE	1	20	26
27	20	1	RECEPT DAY RM	EXISTING	0.0		●		0.0	EXISTING	DAY ROOM STOVE	2	50	28
29	20	1	ABS TEMP CONTROL	EXISTING	0.0			●	0.0	EXISTING	–	–	–	30
31	30	2	HUMIDIFIER	EXISTING	0.0	●			4.7	1"C, 4#6,#10G	CU-HVAC-2	3	50	32 *
33	–	–	–	EXISTING	0.0		●		4.7	–	–	–	–	34
35	20	1	RECEPT DETECTIVE COUNTER	EXISTING	0.0			●	4.7	–	–	–	–	36
* 37	20	1	SPARE	–	0.0	●			0.2	3/4"C, 2#12, #12G	OUTDOOR RECEPT	1	20	38 *
* 39	20	1	SPARE	–	0.0		●		0.0	–	SPACE	1	–	40
* 41	20	1	SPARE	–	0.0			●	0.0	–	SPACE	1	–	42
				TOTALS PER PHASE		0.0	0.0	0.0						
				GRAND TOTAL	0.0									

* = INDICATES NEW CIRCUIT BREAKER

EXISTING PANEL P1C 2

RATING: 208Y/120V, 3 PHASE, 4WIRE
MAIN BUS: ☐ CU ☐ AL 225A MAIN BUS
MAIN DEVICE: MLO
INTERRUPTING RATING: 22kAIC

LOCATION: BOILER 002
MOUNTING: ☐ FLUSH ☒ SURFACE
TRIM: ☒ SINGLE DOOR ☐ DOOR-IN-DOOR

CKT. NO.	CKT. BKR. TRIP AMPS	CKT. BKR. POLES	DESCRIPTION	WIRE & CONDUIT	KVA	A	B	C	KVA	WIRE & CONDUIT	DESCRIPTION	CKT. BKR. POLES	CKT. BKR. TRIP AMPS	CKT. NO.
43	15	3	HVAC-9	EXISTING	0.0	●			1.4	EXISTING	HVAC-2	3	15	44
45	–	–	–	–	0.0		●		1.4	–	–	–	–	46
47	–	–	–	–	0.0			●	1.4	–	–	–	–	48
49	15	3	HVAC-4	EXISTING	0.0	●			0.0	EXISTING	–	1	20	50
51	–	–	–	–	0.0		●		0.0	EXISTING	–	1	40	52
53	–	–	–	–	0.0			●	0.0	EXISTING	–	1	40	54
55	15	3	ERV-1	EXISTING	1.3	●			0.0	EXISTING	TVSS PANEL	3	30	56
57	–	–	–	–	1.3		●		0.0	–	–	–	–	58
59	–	–	–	–	1.3			●	0.0	–	–	–	–	60
61	20	1	SPARE	–	0.0	●			0.0	EXISTING	RECEPT DETECTIVE	1	20	62
63	20	1	SPARE	–	0.0		●		0.0	EXISTING	RECEPT DETECTIVE	1	20	64
65	20	1	SPARE	–	0.0			●	0.0	EXISTING	RECEPT DETECTIVE	1	20	66
67	20	1	SPARE	–	0.0	●			0.0	EXISTING	EXISTING	1	20	68
69	20	1	SPARE	–	0.0		●		0.0	EXISTING	EXISTING	1	20	70
* 71	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	1.2			●	0.0	EXISTING	EXISTING	1	20	72 *
* 73	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	1.2	●			1.0	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	74 *
* 75	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	1.2		●		0.8	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	76 *
77	–	1	SPACE	–	0.0			●	0.8	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	78 *
* 79	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	1.0	●			1.2	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	80 *
* 81	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	0.8		●		1.2	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	82 *
* 83	20	1	RECEPT WOMEN'S LOCKERS	REFER TO DRAWINGS	0.6			●	1.2	REFER TO DRAWINGS	RECEPT MEN'S LOCKERS	1	20	84 *
				TOTALS PER PHASE		0.0	0.0	0.0						
				GRAND TOTAL	0.0									

* = INDICATES NEW CIRCUIT BREAKER

INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
33 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS

MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE BID #2021-15

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ELECTRICAL RISERS AND SCHEDULES

PROJ. NO. JH2020
SCALE As Noted
DATE JUNE 1, 2021
DRAWING NO. **E-2.0**

G:\IES Projects\2020 Projects\Team PJP\20108 Cheshire Police Locker Room Renovation\Contract Documents\20108 E-2-0.dwg Plotted by lrogalski on May 26, 2021 - 9:24am

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH
S_3	THREE WAY TOGGLE SWITCH
S_D	SINGLE POLE DIMMER SWITCH
S_F	FAN SWITCH
S_O	OCCUPANCY SENSOR SWITCH
S_{TT}	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION
	PUSHBUTTON
	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER
	DOUBLE DUPLEX RECEPTACLE
	OUTLET TO SUIT EQUIPMENT (CONTRACTOR TO VERIFY)
	EXISTING PANELBOARD
	CONDUIT AND WIRE
P1C-1	HOMERUN TO PANELBOARD, NUMBERS/LETTERS INDICATE CIRCUIT AND PANELBOARD TERMINATION UNLESS OTHERWISE INDICATED.
	CONDUIT AND WIRE, SWITCHED
WM	SURFACE METAL RACEWAY
C1 C2 C3	MODULAR RECEPTACLE SYSTEM MOUNTED WITHIN LOCKERS, BYRNE PHASE 3. (THREE CUIRCUIT). PROVIDE 3#12, #10N, #12G PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE ALL NESSASARY CONNECTIONS, MOUNTING HARDWARE, WIRING AND DEVICES.
J	JUNCTION BOX
	MOTOR
	SAFETY DISCONNECT SWITCH
	FUSIBLE SAFETY DISCONNECT SWITCH
	TELECOMMUNICATION OUTLET
	DATA OUTLET
OS	OCCUPANCY SENSOR
SP	FLUSH CEILING SPEAKER
FACP	FIRE ALARM CONTROL PANEL
FARA	FIRE ALARM REMOTE ANNUNCIATOR PANEL
S	FIRE ALARM SMOKE DETECTOR
S D	FIRE ALARM DUCT SMOKE DETECTOR
H	FIRE ALARM THERMAL DETECTOR
RT	FIRE ALARM REMOTE TEST SWITCH
F	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM HORN/STROBE UNIT
	FIRE ALARM STROBE ONLY UNIT
OS	WALL MOUNTED OCCUPANCY SENSOR
VFD	VARIABLE FREQUENCY DRIVE
WAP	WIRELESS ACCESS POINT, (1) CAT. 6A, 4PR/23 AWG COMMSCOPE PLENUM RATED (BLUE).
	FIRE STOP SLEEVE, HILTI CP653 4"
KP	SECURITY KEY PAD
REX	SECURITY REQUEST TO OPEN DEVICE
M	SECURITY ELECTRIC DOOR STRIKE/MAG HOLDER

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED FOR A COMPLETE, FULLY OPERABLE INSTALLATION. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST APPROVED ISSUE OF THE NEC AND APPLICABLE LOCAL CODES.
2. PRIOR TO SUBMISSION OF BIDS GIVE WRITTEN NOTICE TO ARCHITECT AND ENGINEER OF ANY MATERIAL OR APPARATUS THAT IS INADEQUATE, UNSUITABLE FOR THE USE, IN VIOLATION OF LAWS, ORDINANCES, RULES, CODES OR ANY REGULATIONS OF AUTHORITIES HAVING JURISDICTION OR ANY NECESSARY ITEMS OF WORK THAT HAS BEEN OMITTED. CONTRACTOR AFFIRMS THAT ABSENT SUCH NOTICE, ALL SYSTEMS WILL FUNCTION SATISFACTORILY WITHOUT ADDITIONAL EXTRA COMPENSATION.
3. THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING A BID AND ADHERE TO THE CONTENTS OF THE BID DOCUMENTS. ANY DEVIATIONS FROM THE INFORMATION PROVIDED IN THE DOCUMENTS MUST BE LISTED IN WRITING. INNOVATIVE ENGINEERING SERVICES, LLC HAS THE RIGHT TO BE COMPENSATED FOR REVIEW OF VALUE ENGINEERING OR SUBSTITUTED MATERIALS AND EQUIPMENT.
4. ELECTRICAL CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED TO THEIR ORIGINAL CONDITION. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, PAINTING, CLEAN-UP, ELECTRICAL DEBRIS REMOVAL AND GENERAL COORDINATION OF THE WORK EFFORT AS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL ITEMS OF WORK.
5. THE DRAWINGS SHOW THE GENERAL LAYOUT AND SOME OF THE DETAIL, BUT THEY DO NOT SHOW EVERY FITTING, BEND, ... ETC. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUCH MATERIALS TO MAKE A COMPLETE INSTALLATION.
6. ALL PART NUMBERS ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. THEY ARE NOT TO BE CONSIDERED THE COMPLETE SPECIFICATION OF THE PRODUCT. THE PART NUMBER AND DESCRIPTION WILL BE THE COMPLETE SPECIFICATION. IN THE EVENT OF A DISCREPANCY BETWEEN THE TWO, THE MORE STRINGENT, MORE COSTLY FEATURE/PERFORMANCE WILL BE REQUIRED.
7. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF ALL PHASES OF THE WORK AND TO DEMONSTRATE TO OWNER THAT THE EQUIPMENT IS IN FULL OPERATING ORDER.
8. DO NOT SCALE DRAWINGS; ACTUAL FIELD MEASUREMENTS AND DIMENSIONS TAKE PRECEDENCE IN ALL CASES.
9. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT, AIA DOCUMENT 201, LATEST EDITION.
10. ELECTRICAL CONTRACTOR SHALL INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS AND OR REQUIREMENTS FOR PROPER OPERATION AND MAINTENANCE.
11. IN ADDITION TO THE REQUIREMENTS SHOWN FOR LOW VOLTAGE EQUIPMENT AND RACEWAYS, THE ELECTRICIAN SHALL CARRY AN ALLOWANCE FOR FINAL COORDINATION OF ALL RACEWAYS AND SLEEVES REQUIRED TO FACILITATE THE LOW VOLTAGE CONSULTANT WORK.
12. ELECTRICAL CONTRACTOR SHALL WARRANT AND GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.
13. ELECTRICAL CONTRACTOR SHALL GIVE OWNER 10 DAYS ADVANCE NOTICE OF SHUTDOWNS, OR AS DIRECTED BY THE OWNER. SHUTDOWNS TO BE KEPT TO A MINIMUM. AT NO TIME SHALL THE BUILDING/SPACE BE LEFT WITHOUT COMMERCIAL POWER IN FULL OPERATING ORDER.
14. PROVIDE INDEPENDENT SEISMIC SUPPORT OF ALL ELECTRICAL EQUIPMENT PER THE LATEST ADOPTED VERSION OF THE INTERNATIONAL BUILDING CODE.
15. ALL ELECTRICAL PENETRATIONS TO BE FIREPROOFED TO MAINTAIN INTEGRITY OF FIRE WALLS/FLOORS/CEILINGS.
16. ALL THE WIRE SIZES ARE BASED ON COPPER, ALUMINUM IS NOT TO BE USED UNLESS NOTED OTHERWISE.
17. MINIMUM CONDUCTOR SIZE FOR A FULLY LOADED 20A CIRCUIT, UNLESS OTHERWISE NOTED, SHALL BE #12 FOR ALL BRANCH CIRCUIT RUNS UP TO THE FIRST OUTLET; OVER 60 FEET, #10; OVER 105 FEET, #8; INCREASE CONDUIT SIZE TO SUIT.
18. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD, TO BALANCE CIRCUITS EVENLY ON ALL PHASES.
19. ALL WIRING METHODS ARE TO BE IN ACCORDANCE WITH THE CURRENT ISSUE OF THE NATIONAL ELECTRICAL CODE, AND APPLICABLE LOCAL CODES. ALL WIRING IS TO BE IN CONDUIT, UNLESS SPECIFICALLY NOTED OTHERWISE. ALL WIRING IS TO BE CONCEALED.
20. ELECTRICAL CONTRACTOR MUST COORDINATE LED DRIVER WITH DIMMER SWITCH FOR COMPATIBILITY.
21. SHARED NEUTRALS ARE NOT TO BE USED. PROVIDE SEPARATE NEUTRALS FOR ALL CIRCUITS INCLUDING SWITCHES PER THE LATEST EDITION OF THE NEC.
22. FOR ALL ROOFTOP OR GRADE LEVEL HVAC EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL SUPPLY A GFCI WP, 20A RECEPTACLE FOR EQUIPMENT SERVICING. ALL DISCONNECT SWITCHES ARE TO BE HEAVY DUTY, FUSED, WEATHER PROOF (WP) DEVICES.
23. FOR ALL FLOOR BOXES WITH DATA COMMUNICATIONS SERVICES PROVIDE (2) 3/4" EMPTY CONDUITS TO HUNG CEILING OR OTHER ACCESSIBLE SPACE. INSTALL A DRAG WIRE.
24. FOR ALL WALL/CEILING BOXES FOR DATA COMMUNICATIONS PROVIDE 3/4"C EMPTY CONDUITS TO HUNG CEILING OR OTHER ACCESSIBLE SPACE. INSTALL A DRAG WIRE.
25. RISER DIAGRAMS ARE PROVIDED TO SHOW DIAGRAMMATIC GENERAL WIRING REQUIREMENTS. WIRING IS TO BE PROVIDED FOR THE PARTICULAR VENDOR/SYSTEM APPROVED FOR THE PROJECT. ALL WIRING IS TO BE CONCEALED.
26. ALL WIRING IN AIR PLENUM CEILINGS SHALL BE TEFLON COATED AND RATED FOR USE WITHIN THE PLENUM.
27. NO LOW VOLTAGE WIRING SHALL BE PERMITTED IN THE SAME RACEWAY AS POWER WIRING.
28. EMERGENCY SERVICES SHALL BE RUN IN SEPARATE RACEWAYS FROM ALL OTHER SYSTEMS.
29. PROVIDE DRAG LINES IN ALL EMPTY RACEWAYS.
30. ELECTRICAL CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR APPROVAL FOR ALL LIGHT FIXTURES, PANELS, SWITCHES, RECEPTACLES, POKE THROUGH'S, WIREMOLD, TRANSFORMERS, GENERATOR, ATS, UPS AND SPECIALTY ELECTRICAL SYSTEMS, ETC.
31. ELECTRICAL CONTRACTOR TO VERIFY LIGHTING FIXTURE MOUNTING HEIGHT REQUIREMENTS FOR VARIOUS CEILING TYPES AND ORDER APPROPRIATE HARDWARE.
32. COORDINATE EXACT PLACEMENT OF EQUIPMENT WITH ARCHITECTURAL AND MECHANICAL PLANS, MAKE FIELD ADJUSTMENTS AS REQUIRED TO AVOID CONFLICTS, VERIFY WITH OWNER.
33. ELECTRICAL CONTRACTOR TO COORDINATE WITH ARCHITECTURAL AND MECHANICAL CONTRACTOR FOR ITEMS SUPPLIED BY THE MECHANICAL/OTHER DIVISIONS BUT INSTALLED BY THE ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO REVIEW ALL THE PLANS FOR THE PROJECT AND ASSIST IN PROVIDING COORDINATION DRAWINGS WITH OTHER TRADES.
34. ELECTRICAL CONTRACTOR TO VERIFY LOADS, SETTINGS, OVERCURRENT PROTECTION... ETC TO INSURE COMPATIBILITY OF EQUIPMENT.
35. PROVIDE LAMICOID NAMEPLATES AND TYPEWRITTEN PANEL SCHEDULES FOR ALL PANEL BOARDS, DISTRIBUTION AND DISCONNECT EQUIPMENT, MODIFIED OR PROVIDED AS NEW AS PART OF THE SCOPE OF WORK. ALTERNATE LABELING PROVISIONS MUST BE APPROVED BY THE ENGINEER.
36. REFER TO ARCHITECTURAL DRAWINGS FOR THE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
37. CONTRACTOR TO PROVIDE ALL COORDINATION FOR UTILITY SERVICES INCLUDING TEMPORARY SERVICE FOR THE PROJECT. THIS INCLUDES POWER UTILITY, TELEPHONE COMPANY AND CABLE TV OPERATOR.
38. DISCONNECT SWITCHES AND CIRCUIT BREAKER USED AS SWITCHES SHALL BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODES AND THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE "NEC" SECTION 110.26 TABLE 110.26(A)(1) AND SECTION 404.8. ALL DISCONNECT SWITCHES AND CIRCUIT BREAKERS SHALL BE LOCATED SO THAT THEY MAY BE OPERATED FROM A READILY ACCESSIBLE PLACE. THEY SHALL BE INSTALLED SUCH THAT THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF THE SWITCH OR CIRCUIT BREAKER, WHEN IN ITS HIGHEST POSITION, IS NOT MORE THAN 6'-7" ABOVE THE FLOOR OR WORKING PLATFORM WITH 36" CLEAR IN FRONT.
39. ALL NEW FIRE ALARM DEVICES SHALL MATCH THE EXISTING BUILDING STANDARD MANUFACTURER. THE FIRE ALARM SYSTEM'S SOFTWARE AND DISPLAY SHALL BE UPGRADED AS REQUIRED WITH NEW ROOM NAMES AND FLOOR PLAN LAYOUT. THE FIRE ALARM SYSTEM SHALL BE TESTED UPON COMPLETION OF ALL NEW AND/OR RELOCATED FIRE ALARM DEVICES ACCORDING TO [NFPA72 14.4.1.2.1.4] WHEN CHANGES ARE MADE TO SITE SPECIFIC SOFTWARE, THE FOLLOWING SHALL APPLY:
    - (1) ALL FUNCTIONS KNOWN TO BE AFFECTED BY THE CHANGE, OR IDENTIFIED BY A MEANS THAT INDICATES CHANGES, SHALL BE 100 PERCENT TESTED.
    - (2) IN ADDITION, 10 PERCENT OF INITIATING DEVICES THAT ARE NOT DIRECTLY AFFECTED BY THE CHANGE, UP TO A MAXIMUM OF 50 DEVICES, ALSO SHALL BE TESTED AND CORRECT SYSTEM OPERATION SHALL BE VERIFIED.
    - (3) A REVISED RECORD OF COMPLETION IN ACCORDANCE WITH 10.18.2.1 SHALL BE PREPARED TO REFLECT THESE CHANGES.

LIGHTING SPECIFICATIONS

LIGHTING FIXTURE TYPE A A EM

MANUFACTURER ..... LITHONIA LIGHTING
CATALOG NO. EPANL-2X4-4000LM-80CRI-35K-MIN10 ZT-MVOLT-RES7PDT-E10WCP
FIXTURE DESCRIPTION ..... 2'x4' LAY-IN LUMINAIRE
VOLTAGE 120
LAMP & DESIGNATION ..... 39W LED, 4039 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... ALUMINUM
LENS/LOUVER ..... SATIN WHITE LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE A1 EM

MANUFACTURER ..... LITHONIA LIGHTING
CATALOG NO. EPANL-2X2-3400LM-80CRI-35K-MIN10 ZT-MVOLT-RES7PDT-E10WCP
FIXTURE DESCRIPTION ..... 2'x2' LAY-IN LUMINAIRE
VOLTAGE 120
LAMP & DESIGNATION ..... 31W LED, 3285 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... ALUMINUM
LENS/LOUVER ..... SATIN WHITE LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B4

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-4FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x4' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 24W LED, 2164 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR

LIGHTING FIXTURE TYPE B5

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-5FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x5' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 30W LED, 2750 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR

LIGHTING FIXTURE TYPE B6 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-6FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x6' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 36W LED, 3246 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B8 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-8FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x8' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 48W LED, 4328 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B10 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-10FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x10' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 60W LED, 5410 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B12 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-12FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x12' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 72W LED, 6492 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B16 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-16FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x16' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 96W LED, 8656 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B22 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-22FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x22' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 132W LED, 11902 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE B24 EM

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. SL4L-LOP-24FT-FLP-TG-90CRI-35K-600LMF MIN1-MVOLT-E10WLCP-ZT-PDT
FIXTURE DESCRIPTION ..... 4"x24' LINEAR SLOT LUMINARE
VOLTAGE 120
LAMP & DESIGNATION ..... 144W LED, 12984 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... GRID
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR SEE NOTES BELOW FOR SHADING.

LIGHTING FIXTURE TYPE C

MANUFACTURER ..... MARK LIGHTING
CATALOG NO. S2LWD-LLP-2FT-MSL4-90CRI-35K-400LMF MIN1-MVOLT-RALTBD-ZT-PDT
FIXTURE DESCRIPTION ..... 2.5"x3.74"x24" LUMINAIRE
VOLTAGE 120
LAMP & DESIGNATION ..... 14.8W LED, 1713 LUMENS, 3500K
BALLAST ..... LED DRIVER
MOUNTING ..... WALL
HOUSING ..... STEEL, ALUMINUM TRIM
LENS/LOUVER ..... SATIN WHITE ACRYLIC LENS
REMARKS ..... INTEGRATED WIRELESS SENSOR

LIGHTING FIXTURE TYPE D D EM

MANUFACTURER ..... GOTHAM/EVO
CATALOG NO. EVO6SH-35/15-DFF-SOL-MVOLT-EZ10-ELR
FIXTURE DESCRIPTION ..... 6" LENSED DOWNLIGHT
VOLTAGE 120
LAMP & DESIGNATION ..... 14.7W LED, 1500 LUMENS
BALLAST ..... LED DRIVER
MOUNTING ..... RECESSED
HOUSING ..... GALVANIZED STEEL
LENS/LOUVER ..... FLUSH, PAINTED TRIM
REMARKS ..... SEE NOTES BELOW FOR SHADING. LISTED FOR USE IN SHOWERS

LIGHTING FIXTURE TYPE E

MANUFACTURER ..... LITHONIA LIGHTING
CATALOG NO. ..... ELM2 LED SD
FIXTURE DESCRIPTION ..... EMERGENCY LIGHTING UNIT
VOLTAGE 120
LAMP & DESIGNATION ..... (2) 1.5W/3.6V LED
DRIVER ..... N/A
MOUNTING ..... SURFACE
HOUSING ..... THERMOPLASTIC, WHITE
LENS/LOUVER ..... N/A
REMARKS ..... MAINTENANCE-FREE NICKLE CADMIUM BATTERY AND CHARGER, 90 MINUTES RUN-TIME, SELF-DIAGNOSTICS; WIRE TO UNSWITCHED PORTION OF LIGHTING BRANCH CIRCUIT SERVING AREA BEING ILLUMINATED.

LIGHTING FIXTURE TYPE F

MANUFACTURER ..... LITHONIA LIGHTING
CATALOG NO. BLWP4-30L-ADPT-MVOLT-EZ1-LP835 N80-NESPDT7-E10WLCP
FIXTURE DESCRIPTION ..... 4' WRAPAROUND
VOLTAGE 120
LAMP & DESIGNATION ..... 25W LED, 3065 LUMENS
BALLAST ..... LED DRIVER
MOUNTING ..... SURFACE
HOUSING ..... STEEL
LENS/LOUVER ..... ACRYLIC
REMARKS ..... --

LIGHTING FIXTURE TYPE X

MANUFACTURER ..... LITHONIA LIGHTING
CATALOG NO. ..... LOM SW3R 120/277 ELN
FIXTURE DESCRIPTION ..... EXIT SIGN, SINGLE FACE
VOLTAGE 120
LAMP & DESIGNATION ..... LED
BALLAST ..... --
MOUNTING ..... UNIVERSAL
HOUSING ..... THERMOPLASTIC, WHITE
LENS/LOUVER ..... RED
REMARKS ..... INTEGRAL SEALED LEAD CALCIUM BATTERY AND CHARGER. CIRCUIT TO NON-SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT

LIGHTING NOTES:

1. DARK SHADED LIGHT FIXTURE (AND/OR WITH ADDITIONAL 'EM' SUBSCRIPT) INDICATES LIGHT FIXTURE WITH INTEGRAL EMERGENCY BATTERY PACK, UNLESS OTHERWISE SPECIFIED. ALL REQUIRED INTEGRAL/REMOTE EMERGENCY BATTERIES AND CHARGERS SHALL BE NICKEL CADMIUM, SELF DIAGNOSTICS TYPE, AND CIRCUITED FOR TWO LAMP OPERATION (WHERE FIXTURE HAS TWO OR MORE LAMPS) UNLESS OTHERWISE SPECIFIED. CIRCUIT FIXTURES WITH TWO POWER FEEDS: (1) SWITCHED AND (1) NON-SWITCHED (FOR CONSTANT BATTERY CHARGING).
2. NL = NIGHT LIGHT, CIRCUIT TO NON-SWITCHED SIDE OF LOCAL LIGHTING CIRCUIT.
3. ALL LAMP COLOR TEMPERATURE SHALL BE 3500K UNLESS OTHERWISE SPECIFIED.
4. CONFIRM FINISHES OF ALL FIXTURES WITH ARCHITECTURAL DRAWINGS.
5. CONFIRM CEILING TYPES AND MOUNTING HEIGHTS OF ALL FIXTURES WITH ARCHITECTURAL DRAWINGS.

ABBREVIATIONS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CB	CIRCUIT BREAKER
CLG	MOUNTED IN CEILING
CKT	CIRCUIT
DW	DISHWASHER
DWG	DRAWING
ELEC	ELECTRICAL
E/EM	EMERGENCY POWER CIRCUIT
ER	EXISTING TO REMAIN
FL	FLOOR
G	GROUND
GF	GROUND FAULT CIRCUIT INTERRUPTER
JB	JUNCTION BOX
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
P	POLE
ø	PHASE
RE	RELOCATED EXISTING
RR	TO BE REMOVED AND RELOCATED
UON	UNLESS OTHERWISE NOTED
V	VOLT
W	WATT
WP	WEATHERPROOF

INNOVATIVE ENGINEERING SERVICES, LLC
AN INTEGRATED ENGINEERING + DESIGN FIRM
35 N PLAINS INDUSTRIAL RD
WALLINGFORD, CT 06492
TEL: 203.467.6370
WEB: WWW.IESLLC.BIZ

SUBMISSIONS & REVISIONS		
MARK	DATE	DESCRIPTION
	6/1/21	BIDDING RELEASE

HVAC AND LOCKER ROOM IMPROVEMENTS AT

THE POLICE STATION

TOWN OF CHESHIRE

BID #2021-15

JACUNSKI HUMES ARCHITECTS, LLC
15 MASSIRIO DRIVE
SUITE 101
BERLIN, CT 06037
TEL 860-828-9221
FAX 860-828-9223

ELECTRICAL NOTES, LEGENDS, AND DETAILS

PROJ. NO.	DRAWING NO.
JH2020	E-2.1
SCALE: As Noted	
DATE: JUNE 1, 2021	

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