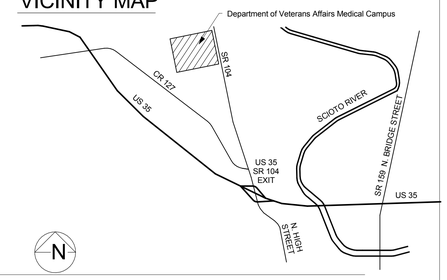
CLC Common Area Connector

Department of Veterans Affairs Medical Center

17273 STATE ROUTE 104, CHILLICOTHE, OHIO 45601

VICINITY MAP



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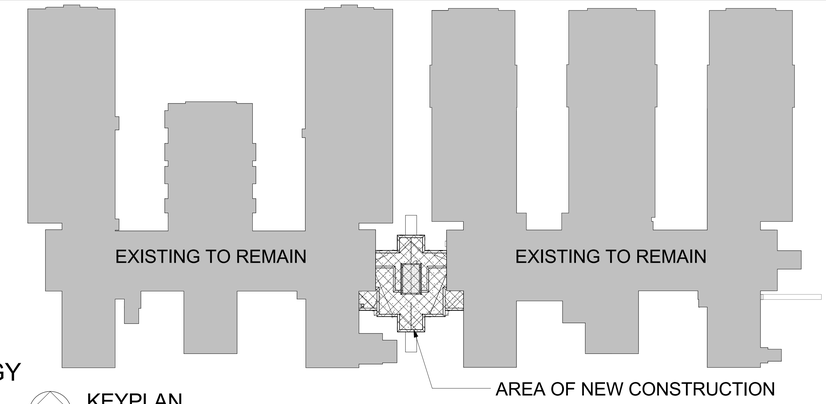

N
PROJECT

KEYPLAN

Scale: N.T.S.

KEY LEGEND

EXISTING TO REMAIN

GRAPHIC SYMBOLS

1/A101	EXTERIOR ELEVATION	X	WINDOW OPENING
X	INTERIOR ELEVATION SEE 700 SERIES SHEETS	101	DOOR OPENING
X SIM XXXX	SECTION/DETAIL NUMBER DRAWING NUMBER	X / X	ROOM NAME ROOM NUMBER
X	EQUIPMENT TAG	XX.X-X	WALL TYPE SEE SHEET A001
X	COLUMN GRID	10'-8"	CEILING HEIGHT
?	NOTE	?	FINISH DESIGNATION

DRAWING INDEX

G001	COVER SHEET
G100	CODE PLANS
G200	PHASING PLANS
C100	CIVIL TITLE SHEET & GENERAL NOTES
C101	DEMOLITION PLAN
C102	SITE PLAN
C103	GRADING PLAN
C104	EROSION CONTROL NOTES & DETAILS
AD-100	DEMOLITION PLAN
A100-DN	DIMENSION / NOTE PLAN - BASEMENT & LEVEL 1
A101-DN	DIMENSION / NOTE PLAN - LEVEL 2 & ATTIC
A102-DN	ROOF PLAN /DETAILS
A121	REFLECTED CEILING PLAN
A201	EXTERIOR ELEVATIONS
A301	BUILDING SECTIONS
A302	BUILDING SECTIONS / WALL SECTIONS
A311	WALL SECTIONS
A312	WALL SECTIONS
A321	STAIR & RAMP SECTIONS / DETAILS
A322	ELEVATOR SECTIONS, DEDUCT ALTERNATE ONE
A401	INTERIOR ELEVATIONS
A501	WALL TYPES
A511	DETAILS
A601	DOOR SCHEDULE & DETAILS
A611	ALUMINUM CURTAINWALL ELEVATIONS / DETAILS
AF101-W	WALL FINISH PLAN AND DEDUCT ALTERNATE TWO
AF101-F	FLOOR FINISH PLAN
AF601	FINISH LEGEND AND DETAILS
S001	GENERAL NOTES
S002	TYPICAL DETAILS
S003	TYPICAL DETAILS
S101	FOUNDATION AND LEVEL 1 PLANS
S102	LEVEL 2 AND LOW ROOF FRAMING PLANS
S103	HIGH ROOF AND PENTHOUSE FRAMING PLANS
S201	FOUNDATION DETAILS
S301	FRAMING DETAILS
S302	FRAMING DETAILS
S401	BRACING ELEVATIONS
S402	FACADE FRAMING ELEVATIONS
S501	COLUMN SCHEDULE AND DETAILS
FX100	BASEMENT PLAN
FX101	LEVEL 1 PLAN
FX102	LEVEL 2 PLAN
P001	LEGEND, SCHEDULES, NOTES, DETAILS AND INDEX
PP099	FOUNDATION PLAN - NEW WORK
PP100	BASEMENT PLAN - NEW WORK
PP101	LEVEL 1 PLAN - NEW WORK
PP102	LEVEL 2 PLAN - NEW WORK
M001	INDEX, LEGEND, AND GENERAL NOTES
MH101	BASEMENT FLOOR PLAN - REMOVALS AND NEW WORK
MH102	LEVEL 1 PLAN - NEW WORK
MH103	LEVEL 2 PLAN - NEW WORK
MH104	ROOF PLAN - NEW WORK
M501	DETAILS
M502	DETAILS
M601	SCHEDULES AND DETAILS
E001	SYMBOLS
ED101	FLOOR PLANS - REMOVALS
EL101	FLOOR PLANS - LIGHTING
EP101	FLOOR PLANS - POWER
ET101	FLOOR PLANS - SIGNALS
E501	LIGHTING FIXTURE DESCRIPTIONS
E502	LIGHTING FIXTURE DESCRIPTIONS
E601	SINGLE LINE
E701	BUILDING 30/211 CONNECTION PLAN
E702	BUILDING 210/211 PIPE BASEMENT CONNECTION
E703	BUILDING 210/211 GROUND FLOOR CONNECTION
E704	BUILDING 24/210 GROUND FLOOR CONNECTION
E705	TECHNOLOGY DETAILS
E706	TECHNOLOGY CABLING DIAGRAMS

GENERAL CONSTRUCTION NOTES

*PLEASE NOTE: C.O.T.R. = CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE. THIS IS USED IN LIEU FOR THE TERM OWNER.**

PLEASE NOTE: U.N.O. = UNLESS NOTED OTHERWISE.

1. SPRINKLER DESIGN BASED ON FIRE PROTECTION DRAWINGS AND SPECIFICATIONS AS SUBMITTED BY THE M.E.P. ENGINEERS WILL BE SUBJECT TO AN INDEPENDENT REVIEW BY A CERTIFIED REVIEWER. THE FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR MAKING ALL ARRANGEMENTS FOR THIS INDEPENDENT REVIEW.
2. ALL WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, OR LOCAL CODES, RULES, ORDINANCES AND REGULATIONS INCLUDING THE AMERICAN DISABILITIES ACT (ADA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) GUIDELINES.
3. IT IS INTENDED THAT THE DOCUMENTS INDICATE A NEW FINISH (I.E. PAINT, ACOUSTIC CEILING, FLOOR TILE, ETC.) ON ALL EXPOSED SURFACES OF THE BUILDING. WHERE A SPECIFIC FINISH IS NOT INDICATED AT ANY GIVEN LOCATION THE CONTRACTOR SHALL PROVIDE THE FINISH INDICATED FOR OTHER SIMILAR SURFACES.
4. THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE SHALL PROVIDE TEMPORARY SERVICES REQUIRED TO PROVIDE THE WORK INDICATED, INCLUDING THE WORK WITH THE CONTRACTOR TO FACILITATE THE FOLLOWING: POWER, LIGHTING, AND WATER.
5. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE OF ANY WORK WHICH MIGHT REQUIRE INTERRUPTION OF UTILITY SERVICES,CAUSE NOISE, OR CREATE VIBRATION. PRIOR TO THE COMMENCEMENT OF THIS WORK,THE CONTRACTOR'S WORK AND SCHEDULE SHALL BE APPROVED AND COORDINATED BEFORE HAND WITH THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE AND/OR ARCHITECT. SEE GENERAL CONDITIONS FOR FURTHER DETAIL.
6. THE GENERAL CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE PROVISIONS OF THE SPECIFICATIONS, INCLUDING ALL GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS, AND MATERIAL AND CONSTRUCTION PROVISIONS, WHICH APPLY TO MATERIALS OR CONSTRUCTION METHODS REQUIRED BY THIS PROJECT.
7. PRIOR TO BIDDING, THE GENERAL CONTRACTOR SHALL VISIT SITE, EXAMINE, AND ACCEPT ALL EXISTING CONDITIONS. DATES FOR SITE VISITS WILL BE POSTED IN THE SPECIFICATIONS. UNSCHEDULED VISITS WILL NOT BE ALLOWED.
8. DO NOT PAINT ANY CAULKING OR SEALANTS WHICH ARE SUBJECT TO MOVEMENT - CONTROL JOINTS SHALL BE CAULKED AFTER PAINT AND SPECIAL COATING APPLICATIONS. PROVIDE CAULKING OR SEALANTS IN COLORS WHICH MATCH ADJACENT FINISHED SURFACE COLORS.
9. VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD BEFORE FABRICATING ANY MATERIALS.
10. ALL EXISTING CONSTRUCTION TO REMAIN (INCLUDES THE ATTIC FLOOR) THAT ARE DAMAGED OR DISTURBED DURING CONSTRUCTION SHALL BE PATCHED OR RESTORED AS REQUIRED TO MATCH EXISTING ADJACENT CONSTRUCTION UNLESS OTHERWISE INDICATED. CONTRACTOR TO PATCH AND REPAIR EXISTING CONSTRUCTION REMOVED OR DISTURBED BY WORK UNDER THEIR CONTRACT TO MATCH EXISTING ADJACENT UNLESS OTHERWISE NOTED.
11. IT IS THE INTENT OF THE DOCUMENTS TO INDICATE COMPLETE AND OPERATIONAL SYSTEMS (I.E. STRUCTURAL, HVAC, PLUMBING, ELECTRICAL AND ETC.) THE CONTRACTOR SHALL PROVIDE THE SYSTEMS AS OPERATIONAL SYSTEMS WHICH COMPLY WITH APPLICABLE CODES AND REGULATIONS. THIS NOTE SHALL BE LIMITED TO THE SYSTEMS AS INDICTED BY THE DOCUMENTS AND SHALL NOT INCLUDE CHANGES TO THE SYSTEMS WHICH ALTER INDICATED CAPACITIES, OPERATIONAL CHARACTERISTICS, ETC.
12. THE GENERAL CONTRACTOR SHALL PROVIDE FIRE-RETARDANT TREATED 2X BLOCKING IN THE STUD CAVITY AT ALL LOCATIONS REQUIRED TO PROVIDE SOLID ANCHORAGE OF WALL SUPPORTED ITEMS INDICATED BY THE DRAWINGS, INCLUDING BUT NOT LIMITED TO: GRAB BARS, SHELVING, CABINETS, AND KITCHEN EQUIPMENT. CONTRACTOR'S OPTION TO PROVIDE GALV. 16 GA BY THE DEPTH OF THE WALL METAL STUDS AS BLOCKING UNLESS WOOD BLOCKING IS SPECIFICALLY CALLED FOR BY THE MANUFACTURER.
13. ALL WOOD BLOCKING, MISC. FRAMING, PANELS, ETC THAT ARE TO BE USED SHALL BE FIRE-RETARDANT TREATED. EXTERIOR WOOD BLOCKING SHALL BE PRESSURE TREATED.
14. ROOM SIGNAGE SHALL BE PROVIDED AND INSTALLED BY OWNER.
15. THE GENERAL CONTRACTOR SHALL CONTACT THE CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE TO VERIFY THE SIZES OF ALL EQUIPMENT OR FIXTURES TO BE INSTALLED IN THE BUILDING, AND SHALL MAKE SPECIAL PROVISIONS BEFORE BEGINNING CONSTRUCTION FOR INSTALLATION OF ANY EQUIPMENT WHICH IS TOO LARGE TO FIT THROUGH A FINISHED OPENING.
16. ALL CONTRACTORS SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL SURFACES WHERE EXISTING CONSTRUCTION IS REMOVED OR DISTURBED BY WORK UNDER THEIR CONTRACT.
17. THE CONTRACTOR IN CONJUNCTION WITH HIS WORK SHALL BE RESPONSIBLE TO PATCH AND REPAIR ALL EXISTING SUBSTRATES AND FINISHES INCLUDING BUT NOT LIMITED TO EXISTING WALLS, FLOORS, BASES, WAINSCOTS, CEILINGS, WINDOWS, WINDOW TRIM, WOOD WORK, DOORS, FRAMES, ETC. (UNLESS INDICATED OTHERWISE) AND PREPARE AREAS AS REQUIRED FOR NEW CONSTRUCTION FINISHES. WHERE WORK IS PERFORMED AND NO FINISH IS SPECIFICALLY INDICATED THE CONTRACTOR IS RESPONSIBLE TO PATCH,REPAIR AND PAINT TO MATCH ALL EXISTING ADJACENT MATERIALS, FINISH AND PAINT ALL WORK TO PROVIDE A COMPLETE, FINISHED, WORKMANLIKE JOB, ALL SUBJECT TO THE APPROVAL OF THE ARCHITECT.
18. PATCH ALL EXISTING WALLS AND CEILINGS THAT ARE TO REMAIN (EXCEPT WHERE NOTED) AS REQUIRED TO PROVIDE A SOUND BASE FOR NEW FINISHES SUCH AS PAINT, ETC. ALL PATCHING TO MATCH EXISTING ADJACENT SURROUNDING AREAS AND SURFACES.
19. IN ADDITION TO SPECIFIC REQUIREMENTS, THE GENERAL INTENT OF PAINTING AND TRANSPARENT FINISHES IS AS FOLLOWS: WHERE SURFACES ARE INDICATED TO BE PAINTED OR TRANSPARENT FINISH APPLIED, ALL OPENINGS, NEW AND EXISTING,INCLUDING WINDOWS, DOORS, FRAMES, TRIM, BASE, ETC. SHALL BE FINISHED OR REFINISHED IN CONJUNCTION WITH SURROUNDING WORK WHERE SURFACES ARE NOT INDICATED TO BE PAINTED OR TRANSPARENT FINISH APPLIED IN THIS CONTRACT, ITEMS OF NEW WORK OR REPAIR WORK ONLY SUCH AS WALLS, CEILING, DOORS, FLOORS, WINDOWS, ETC. SHALL BE FINISHED TO MATCH EXISTING ADJACENT FINISHES, EXISTING ADJACENT FINISH SHALL REMAIN. SEE ROOM FINISH SCHEDULE AND DOOR SCHEDULE FOR FINISHES. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL FINISHES WITH THE ARCHITECT PRIOR TO EXECUTION OF THE WORK.
20. ALL SUSPENDED ITEMS SUCH AS CEILINGS, DUCTS, PIPES, CONDUITS, ETC., SHALL BE SUSPENDED (ATTACHED) DIRECTLY TO STRUCTURE, AND SHALL NOT BE ATTACHED OR ANCHORED TO EXISTING PLASTER, ACOUSTIC TILE, ETC.
21. ALL DIMENSIONS ARE APPROXIMATE AND MAY VARY IN THE FIELD. NEW PARTITIONS SHALL BE LOCATED AS INDICATED BY THE DIMENSIONS. WHERE NO DIMENSION IS INDICATED, PARTITIONS, ETC. SHALL BE LOCATED FROM EXISTING COLUMNS, WINDOWS, PARTITIONS, DOORS, ETC. AS INDICATED ON THE PLANS. ALL NEW PARTITIONS SHALL BE LOCATED IN THE FIELD AND APPROVED BY THE ARCHITECT OR C.O.T.R BEFORE ANY CONSTRUCTION IS STARTED.
22. ALL PENETRATIONS SUCH AS NEW OR EXISTING DUCTS, CONDUITS, PIPING, ELECTRICAL OUTLETS, LIGHT SWITCHES, RECESSED DEVICES OR ITEMS, HOLES, VOIDS, CRACKS, ETC. IN ALL EXISTING, MODIFIED AND NEW CORRIDOR WALLS, SMOKE PARTITIONS, AND FLOOR SLABS SHALL BE SEALED WITH APPROVED FIRE RESISTANT CAULKING OR SEALANT TO PREVENT PASSAGE OF ANY SMOKE, FLAME, GASES, ETC.. SEE PLUMBING HVAC, FIRE PROTECTION, ELECTRICAL, ETC. DRAWINGS AND SPECIFICATIONS.
23. WHERE NEW CONSTRUCTION REQUIRES CORE DRILLING THROUGH EXISTING STRUCTURAL CONCRETE FLOOR SLABS, AND WALLS THE CONTRACTOR SHALL COORDINATE HIS DRILLING WORK TO AVOID DRILLING INTO A STRUCTURAL ELEMENT, INCLUDING BEAMS, COLUMNS, ETC. ALSO SEE PLUMBING, HVAC, FIRE PROTECTION, ELECTRICAL, ETC. DRAWINGS AND SPECIFICATIONS.
24. WHERE NEW CONSTRUCTION (I.E. DOORS, FRAMES, CASEWORK, EQUIPMENT, ETC.) IS INDICATED TO BE INSTALLED IN EXISTING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS FOR PROPER FIT AND FOR ACCESS INTO THE BUILDING PRIOR TO SHOP DRAWING SUBMITTAL, ORDERING AND DELIVERING TO THE SITE.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING A WORK AREA THAT IS UNDER NEGATIVE PRESSURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE TEMPORARY AIR-MOVING UNIT (AHU) OR UNITS THAT SHALL BE OPERATIONAL CONTINUOUSLY DURING ALL PHASES OF CONSTRUCTION. CONSTRUCTION AREA SHALL HAVE A MINIMUM OF FOUR (4) AIR CHANGES PER HOUR OR AS MANDATED BY CODE, WHICHEVER IS MORE STRINGENT. THE CONTRACTOR SHALL BE RESPOSIBLE FOR PROVIDING THE NUMBER OF AHU'S REQUIRED TO PROVIDE THE MANDATED NUMBER OF CHANGES PER HOUR, BASE ON HIS/HER ASHRE CALCULATIONS. A COPY OF THE CALCULATIONS SHALL BE PROVIDED TO THE COTR FOR REVIEW PRIOR TO BEGINNING WORK. THE AHU SHALL BE THE TYPE THAT EXHAUST AIR TO THE OUTSIDE VIA TEMPORARY DUCT SYSTEM AFTER PASSING THRU A HEPA FILTERING SYSTEM.
26. ALL EXISTING SURFACES SHALL BE PREPARED TO RECEIVE SCHEDULED FINISH ACCORDING TO PLANS AND SCHEDULES.
27. PROVIDE THE C.O.T.R. WITH A DESCRIPTION AND UL# DESIGNATION OF ALL FIRE BLOCKING ASSEMBLIES PROPOSED FOR USE DURING CONSTRUCTION.
28. CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT BOTH NEW AND EXISTING WORK FROM FLOODING OR RUNOFF DURING ALL NATURAL WEATHER EVENTS, DEMOLITION, CONSTRUCTION, AND ALL OTHER CAUSES ASSOCIATED WITH THE 211 / 210 CLC CREATE COMMONS AREA CONNECTOR ADDITION PROJECT. GRADING IN THE AREAS SURROUNDING ALL EXCAVATIONS SHALL BE PROPERLY PREPARED TO ENSURE WATER DOES NOT RUN INTO THE EXCAVATED AREA, ADJACENT PROPERTIES, OR OTHER OCCUPIED PARTS OF BUILDING 211 AND 210, INCLUDING BUT NOT LIMITED TO THE LIBRARY AND BISTRO. WHERE REQUIRED, TEMPORARY DITCHES SHALL BE PROVIDED FOR DRAINAGE. UPON COMPLETION OF WORK, ALL AREAS SHALL BE RESTORED IN A SATISFACTORY MANNER AND AS DIRECTED IN THE CONSTRUCTION DOCUMENTS.
29. THE CONTRACTOR SHALL REPAIR ANY DAMAGE RESULTING FROM FAILURE OF THE DEWATERING OPERATION OR FROM FAILURE TO MAINTAIN ALL THE AREAS OF WORK, BOTH NEW AND EXISTING, IN A SUITABLE DRY CONDITION.

FULLY SPRINKLERED

Revisions		Date
	100% Owner Review	10/11/2013
	Bid Documents	10/28/2013
	100% Bid Documents	11/13/2013

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Drawing Title: COVER SHEET

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

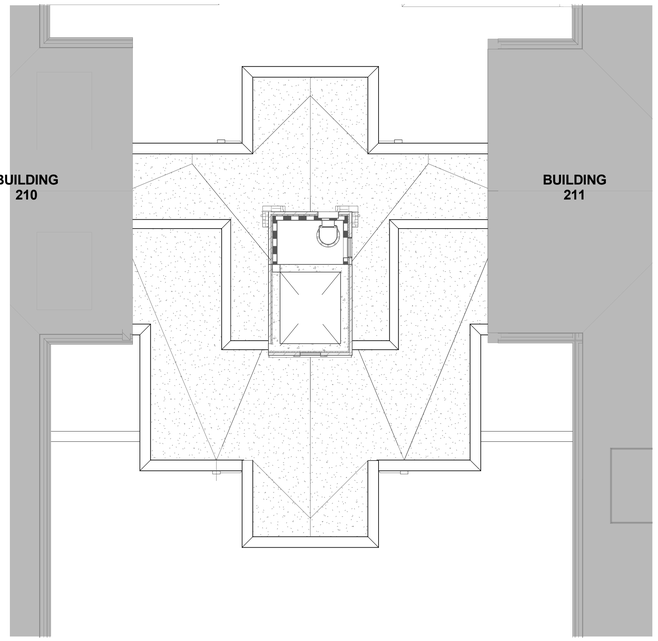
Building Number: 210/211

Drawing Number: G001

Dwg.1 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



N 4 PLAN

CODE DATA - ATTIC

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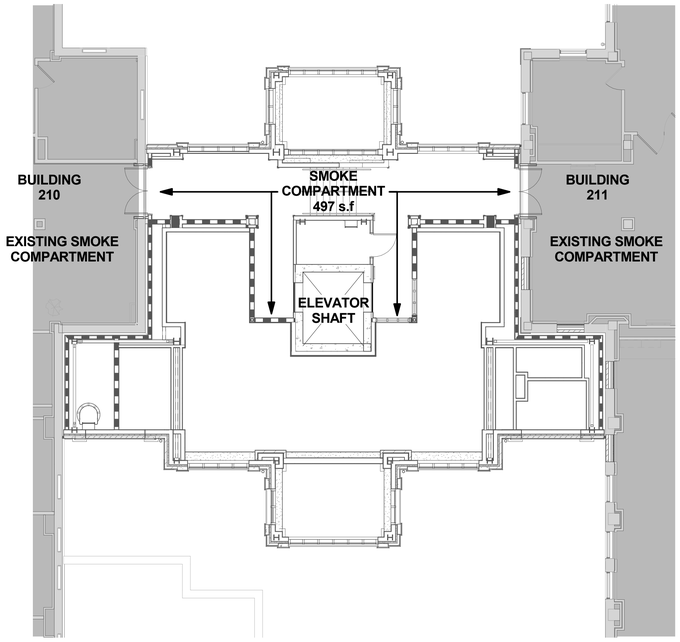

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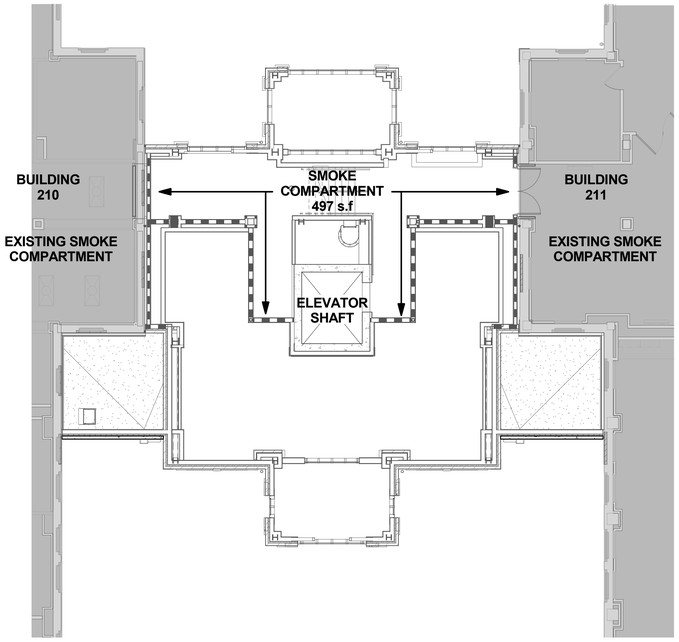

N 3 PLAN

CODE DATA - LEVEL 2

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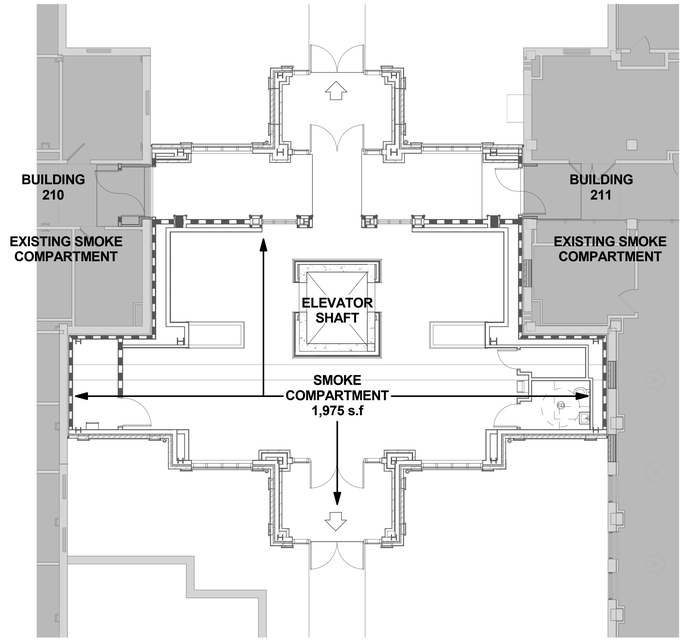

N 1 PLAN

CODE DATA - BASEMENT

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

2009 NFPA 101 Life Safety Code Review

Chapter 4 – General
- 4.4.2.2 – Prescriptive-based life safety design meeting the requirements of Chapters 1 thru 3, Sections 4.5 thru 4.8, and Chapters 6 thru 43 of thisCode shall satisfy Sections 4.1 and 4.2.
- 4.4.2.3 – Where req'ts in Chapters 11 thru 43 differ from req'ts in Chapters 1 thru 4 and 6 thru 10, the req'ts of Chapters 11 thru 43 shall govern.
- 4.6.1.1 – The authority having jurisdiction (AHJ) shall determine whether the provisions of this Code are met.

Chapter 6 – Classification of Occupancy and Hazard of Contents
- 6.1.5 - Health Care -New – (Chap.18).
- 6.1.14.4 – Separated Occupancies – shall be completely separated from other occupancies by fire-rated construction per Table 6.1.14.4.1(a): Assembly <300 and Healthcare = 2 hr. Fire barrier per 8.3.
- 6.2.2. – Hazard classif.: Ordinary (high hazard areas protected per 18.3.2.1)

Chapter 7 – Means of Egress
- 7.1.3.2.1 – Exit Separation
  (1) Connecting 3 or fewer stories: 1-hr fire rating req'd. [2-hr provided].
  (7) Openings in separation wall: fire doors with closers per 7.2.1.8.
- 7.1.4.1 – Interior Wall & Ceiling Finish in Exit Encl: Class A or B per 10.2.
- 7.1.4.2 – Interior Floor Finish in Exit Encl: Class II per 10.2.
- 7.2.2.2.1.2 – Minimum new stair width: <2000 occup load = 44" min width.
- 7.2.4.3 – Fire Barriers – Minimum 2-Hr. fire rating.
- 7.2.12 – Areas of Refuge – not req'd as part of an accessible means of egress per 7.5.4.13. See 18.3.7.5.
- 7.3.1 – Occupant Load:
  Basement (current phase):
  Lobby – 2,440 s.f. @ 100 s.f./occ. = 24 occup.
  1st Floor (current phase):
  Healthcare – 1,072 s.f. @ 120 sf/occ. = 9 occup.
  2nd Floor (current phase):
  Healthcare- 1,072 s.f. @ 120 sf/occ. = 9 occup.
  Total occupants (current phase) = 42 occupants (actual = 2 occup.)
- 7.3.2.2 – Max. projection within means of egress on ea. side: 4-1/2" (38" hgt. max.), Exceptions: See 18.2.3.4.
- 7.3.3.1 – Egress capacity (Health care, sprinkled):
  Stairs - .3" per occup; Level components and ramps - .2" per occup.
- 7.4.1.1 – Min. number of means of egress from any story = 2.
- 7.5.1.2.2 – Corridors not req'd. to be fire-rated shall be permitted to discharge into open floor plan areas.
- 7.5.1.3.3 – Remoteness of exits – Bldgs. protected by AFSS per 9.7, Min. separation distance between 2 exits = 1/3 max. overall diag. dimension of the area or bldg. served.
- 7.5.4.1.3 – Accessible means of egress shall not be req'd. in health care occupancies protected throughout by an AFSS per 9.7.

Chapter 8 – Features of Fire Protection
- 8.3.4.2 – Min Fire Protection for Openings in Fire-rated Assemblies:

Component	Walls	Fire Drs	Fire Window
Vert. shafts (stairs, exits):	2 hr	1-1/2 hr	NP
	1 hr	1 hr	NP
Fire Barriers:	2 hr	1-1/2 hr	NP
	1 hr	¾ hr	NP
Horiz. Exits:	2 hr	1-1/2 hr	NP
Smoke Barriers:	1 hr	1/3 hr	½ hr

- 8.3.5.1 – Firestop Systems – Penetrations that pass thru a barrier shall be protected by a firestop system or device.
- 8.3.5.7 – Openings thru fire barriers for air-handling ductwork shall be protected per 9.2.1.
- 8.4.3.5 – Smoke Partition doors shall be self or auto-closing per 7.2.1.8. Exception: see 18.3.6.3.11).
- 8.5.3 – A Fire Barrier shall be permitted to be used as Smoke Barrier per Section 8.5.
- 8.6.1 - Floor Smoke Barriers – Every floor that separates stories in a bldg. shall be constructed as a smoke barrier per 8.5 and shall be permitted opg's. per 8.6.6 thru 8.6.8.
- 8.6.4.1 – Shafts shall be enclosed at lowest or highest level of the shaft per 8.6.5.
- 8.6.5 – Shafts- Req'd Fire Rating:
  Connecting 4 or more stories: 2-hr Fire Barrier.
  Other new shaft enclosures: 1-hr Fire Barrier.
- 8.6.7– Atrium, Please see NFPA 92 for definition of an Atrium. The space as defined does not meet the definition of an Atrium, nor is it a communicating space as defined in 8.6.6.
- 8.7.1.1 – Protection from any degree of hazard shall be provided by one of the following means:
  (2) Protecting an area with an AFSS per 9.7.
- 8.7.1.2 – New construction with AFSS without fire-rated separation = protected by non-fire-rated smoke partitions per 8.4.
- 8.7.1.3 – Special Hazard Protection – Doors: min. ¾ hr fire rated, self or auto-closing per 7.2.1.8

Chapter 9 – Building Service and Fire Protection Equipment
- 9.6.1.3 – Fire Alarm System req'd for life safety shall be per NFPA70.
- 9.6.3.1 – Occupant notification shall be provided per 9.6.3 and 18.3.4.3.1.
- 9.6.4.1 – Emergency Forces notification req'd per 9.6.4 and 18.3.4.3.2.1.
- 9.6.5.1 – Fire safety functions shall be installed per NFPA 72 as req'd per 9.6.5 and 18.3.4.4.
- 9.6.7.1 – Alarm annunciation is required per 9.6.7 and 18.3.4.3.3.
- 9.7.1.1 – Supervised automatic sprinkler system as req'd by 9.7.1 and 18.3.5.1 shall comply with NFPA 13.

Chapter 10 – Interior Finish, Contents, and Furnishings
- 10.2.3 – Interior Wall or Ceiling Finish – Class A, B, or C shall be classified based on ASTM E 84.
- 10.2.3.4 – Wall and Ceiling – Classifications characteristics:
  (1) Class A: Flame spread: 0-25; Smoke dev.: 0-450.
  (2) Class B: Flame spread: 26-75; Smoke dev.: 0-450.
  (3) Class C: Flame spread: 76-200; Smoke dev.: 0-45
- 10.2.7.3 – Interior Floor Finish –shall be classified based on NFPA 253 or ASTM E 648.
- 10.2.3.4 – Interior Floor – Classifications characteristics:
  (1) Class I: Rad flux: min .45 W/cm².
  (2) Class II: Rad flux: min .22 W/cm², and max. .45 W/cm².
- 10.2.8.1 – Wall and Ceiling finishes, where sprinkled:
  Class C permitted in any location where Class B is req'd.
  Class B permitted in any location where Class A is req'd.
- 10.2.8.2 – Floor finishes, where sprinkled:
  Class II permitted in any location where Class I is req'd.
  No critical rad. flux permitted in any location where Class II is req'd.

Chapter 11 – Accessibility
- All newly constructed and renovated spaces shall comply with Chapter 1, ABA and ADAAG.

Chapter 18 – New Health Care Occupancies
- 18.1.6.1 – Construction Type: II (222), Sprinkled (noncombustible)
  Allowable number of stories: ≥4
  Actual number of stories: 2 + basement (Basement not a story)
- 18.1.6.2 – Type II (222): Combustible roofing systems shall be permitted if the following criteria are met:
  (1) Class A roof covering per NFPA 256
  (2) Roof separated from all occupied portions by 2-hr fire-rated floor assembly.
  (3) Structural elements supporting 2-hr floor assembly req'd to have fire-rating r eq'd of the building.
- 18.1.6.4 – Interior nonbearing walls shall be constructed of non-combustible or limited- combustible materials.
- 18.1.6.6 – Fire-retardant-treated wood that serves as supports for installation of fixtures and equipment shall be permitted behind non-comb.sheathing.
- 18.1.7 – Occupant load – Determined per 7.3.1.2 or determined as the max. probable population, whichever is greater.
- 18.2.1 - Means of egress components per Chapter 7 and 18.2.2.2 thru 18.2.11.
- 18.2.2.2.4 – Doors within means of egress shall not be equipped with latches or locks that requires the use of a tool or key from egress side (see exceptions).
- 18.2.2.2.7 – Doors in Exit passageways, stairway enclosures, horiz. exits, smoke barriers, or hazardous area enclosures (except mech. equip. rms.) shall be permitted to be held open only by an auto release device. They shall interface with AFSS, Fire alarm, and systems per 7.2.1.8.2.
- 18.2.2.3 – Stairs permitted per 7.2.2.
- 18.2.2.5 – Horizontal exits per 7.2.4 and 18.2. 2.5.1 thru 18.2.2.5.7 arepermitted.
- 18.2.2.5.1.1 – Minimum of 30 s.f. per patient in nursing home shall be provided within the aggregated areas of corridors, patient rms, treatment rms., lounge or dining areas, and other similar areas on each side of the horizontal exit.
- 18.2.2.5.4 – A horiz. exit involving a corridor of 8' or more in width and serving as a means of egress from both sides: pair of opposite swinging doors, with ea door having 41-1/2" min clear width.
- 18.2.2.10 - Areas of Refuge as part of accessible means of egress: per 7.2.12.
- 18.2.3.1 – Capacity of Means of Egress per 7.3. and 18.2.3.
- 18.2.3.4 – Min. corridor width for exit access (nursing home) – 8' min., exceptions:
  (1) Aisles, corridors, ramps in adjunct areas not intended for patients: 44" min. clear.
  (2) Where corridor width is 6' min: 6" max projections above handrail hgt. permitted for hand-rub units per 18.3.2.6.
  (3) Where corridor width is 6' min: projections permitted on both sides:
  a. Each projection shall not exceed 6" depth.
  b. Each projection shall not exceed 36" length.
  c. Each projection shall be positioned 40" min. above the floor.
  d. Each projection shall not have less than 48" min. horiz separation from adj. projections.
- 18.2.3.6 – Min clear door width @ means of egress from sleeping rms., treatment rms. in Hospitals and Nursing Homes: 41-1/2"
- 18.2.3.7 – Req'ts of 18.2.3.6 shall not apply as follows:
  1. Doors not subject to use by any health care occupant: 32" min clear.
  2. Doors in exit enclosures: 32" min clear.
  3. NA
  4. Where pair of doors is provided, the following criteria shall be met:
  a. 1 door min. = 32" min. clear opening.
  b. Rabbet, bevel, or astragal at meeting edge.
  c. Inactive leaf shall have automatic flush bolt for positive latching.
- 18.2.4.1 – Min. 2 exits provided on every story.
- 18.2.4.2 – Min 2 separate exits shall be accessible from every part of every story.
- 18.2.4.3 – Min 2 accessible exits from ea. smoke compartment, and egress shall be permitted thru an adjacent compartment, but shall not require return through the compartment of origin.
- 18.2.5.1 – Arrangement of means of egress per 7.5 and 18.2.5.
- 18.2.5.2 – Dead-end corridors: 30' max.
- 18.2.5.3 – Common path of travel: 100' max.
- 18.2.5.7.1.2 – Suite Separation – Suites shall be separated from remainder of the building by walls and doors per 18.3.6.2 thru 18.3.6.5 (0-hr smoke partitions).
- 18.2.5.7.4 – Non-patient-care Suites: Egress in accord w/ primary use and occupancof space, except max travel distance to an exit from within a suite = 200'.
- 18.2.6.2.1 – Max travel distance between any point in a room and an exit = 200'.
- 18.2.6.2.3 – Max travel distance between any point in healthcare sleeping room andexit access door in that room = 50' max.
- 18.3.1.5– Unprotected openings in accordance with 8.6.6 shall not be permitted.
- 18.3.2.1 – Hazardous Area Protection per 8.7 and 18.3.2.1.
  Soiled Linen rms w/ volume >64 gal= 1-hr.
  Storage Rms w/ comb. mat'ls >50 s.f. and ≤100 s.f. = 18.3.6.3.11
  Storage Rms w/ comb. mat'ls >100 s.f. = 1-hr.
- 18.3.3.1 – Interior finish per 10.2 and 18.3.3.
- 18.3.3.2 – Interior wall and ceiling – Class A permitted except per 18.3.3.2.1 or 18.3.3.2.2.
- 18.3.3.2.1 – Walls and Ceilings @ patient rooms w/ 4 occup max = Class A or B.
- 18.3.3.2.2 – Corridor wall finish 48" max hgt. (lower half of wall) = Class A or B.
- 18.3.3.3.2 – Interior Floor fin @ exit encl and exit access corridors and spaces not separated from them by walls per 18.3.6 = Class I or II.
- 18.3.4.1 – Health care occupancies shall be provided with a Fire Alarm system per 9.6.
- 18.3.4.2.2 – Manual fire alarm boxes in patient sleeping areas not req'd at exits if located at all nurses' control stations.
- 18.3.4.5.3 – Nursing Home detection – An automatic smoke detection system shall be installed in corridors throughout smoke compartments containing patient sleeping rooms and in spaces open to corridors per 18.3.6.1.
- 18.3.5.1 – Buildings containing healthcare occupancies shall be protected throughout by a supervised automatic sprinkler system per 9.7.
- 18.3.5.6 – Quick-response sprinklers shall be used throughout smoke compartments containing patient sleeping rooms.
- 18.3.5.11 – Portable fire extinguishers shall be provided in all health care occupancies per 9.7.4.1.
- 18.3.6.1 – Corridors shall be separated from all other areas by partitions per 18.3.6.2 thru 18.3.6.5, except as permitted as follows:
  (1) Spaces shall be permitted to be unlimited in area and open to corridor if:
  a. The spaces are not used for patient sleeping, treatment or hazardous storage areas.
  b. Corridors onto which spaces open in same smoke compartment are protected by an auto. smoke detection system
  c. Open space is protected by auto smoke detection system.
  d. Space does not obstruct access to req'd exits.
- 18.3.6.2.2 – No fire resistance rating shall be required for corridor walls.
- 18.3.6.2.3 – Corridor walls shall form a barrier to limit the transfer of smoke.
- 18.3.6.3.1 – Doors protecting corridor opg's shall resist passage of smoke and:
  (1) Comply with NFPA 80
  (2) 1" max. undercut
  (3) Doors to toilet rms, shower rms, and sim auxiliary spaces that do not contain combustible materials: smoke resist not req'd.
  A18.3.6.3.1 - Gasketting of doors shall not be necessary to resist the passage of smoke.
- 18.3.6.3.5 – Corridor doors shall be self-latching and provided with positive-latching hardware.
- 18.3.6.3.5 – Doors to toilet rms, shower rms, and sim auxiliary spaces that do not contain combustible materials: latching req'ts of 18.3.6.3.5 not req'd.
- 18.3.6.3.7 - Powered corridor doors per 7.2.1.9 not req'd to meet latching req'ts of 18.3.6.3.5 if:
  (1) Door is equipped w/ means of keeping door closed acceptable to AHJ.
  (2) Device capable of keeping door closed w/ 5lb force to swinging door.
- 18.3.6.3.11 – Door closing devices not req'd on corridor doors other than those serving req'd exits, smoke barriers, or enclosures of vertical openings.
- 18.3.7.1 – Heath care facilities shall be subdivided by Smoke Barriers as follows:
  (1) Divide every story used by inpatients for sleeping or treatment into a minimum of 2 smoke compartments.
  (2) Divide every story having occup. load >50, regardless of use into a minimum of 2 smoke compartments.
  (3) Size of each smoke compartment = 22,500 s.f. max. (unless the area is an atrium separated per 8.6.7).
  (4) Max. travel from any point in smoke compartment to door in smoke barrier = 200' max.
- 18.3.7.3 – Any Smoke Barrier shall be per 8.5 and min.1-hr fire-rating, unless:
  (1) NA
  (2) Smoke dampers not req'd in duct penetrations of smoke barriers in fully ducted heating, ventilating, and air-conditioning systems.
- 18.3.7.5.1 – Hospital or Nursing home = 30 net s.f. per patient shall be provided within the aggregated areas of corridors, patient rms, treatment rms., lounge or dining areas, and other low hazard areas on each side of the smoke barrier.
- 18.3.7.6 - Doors in Smoke Barriers- shall be substancial construction of 1 3/4 inches thick and solid bonded wood cores with a min. 1/3 hr fire-rated and as follows:
  (1) Non-rated protective plates allowed.
  (2) Cross-corridor openings – pair of swinging doors per 7.2.1.14, unless permitted by Section 183.7.7.
  (3) Cross-corridor pairs of doors must be opposite swinging.
  (4) Min clear ea. swinging doors @ Hosp., nursing homes = 41-1/2" clear.
  (5) Min clear ea. sliding doors @ Hosp., nursing homes = 6'-11" clear.
  (6) Max clearance under door = ¾" max.
- 18.3.7.8 –Doors in Smoke Barriers shall comply with 8.5.4 and shall be self-closing or auto closing per 18.2.2.2.7.
- 18.3.7.9. – Vision panels w/ fire-rated glazing or wired glass shall be provided in each cross-corridor swinging door.
- 18.3.7.11 – Smoke Barrier doors:
  Rabbets, bevels, or astragals at meeting edges and stops – Required
  Positive latching – Not Required
  Center mullions – Prohibited.

CODE LEGEND

- 0-HR Smoke Partition - OBC 710
- 1-HR Smoke Barrier - OBC 709
- 1-HR Fire Barrier - OBC 706
- 2-HR Fire Barrier - OBC 706
- Means of Egress
- Existing Wall to Remain
- New Wall

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: CODE PLANS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: WS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

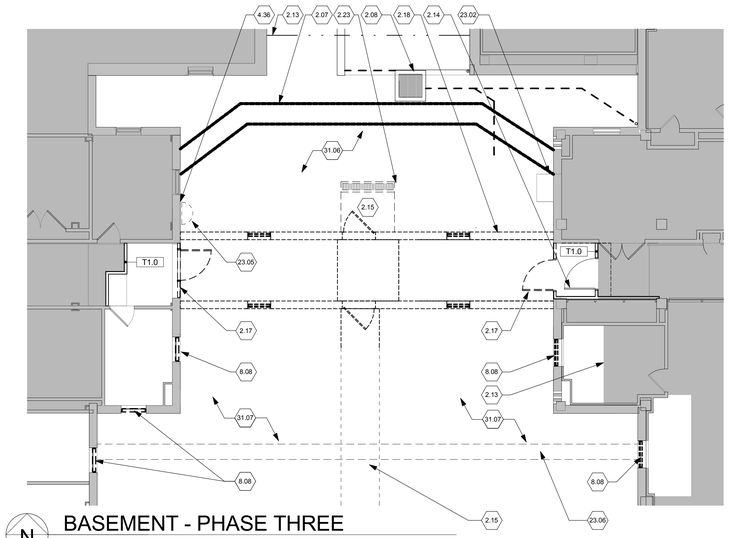
Building Number: 210/211

Drawing Number: G100

Dwg.2 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



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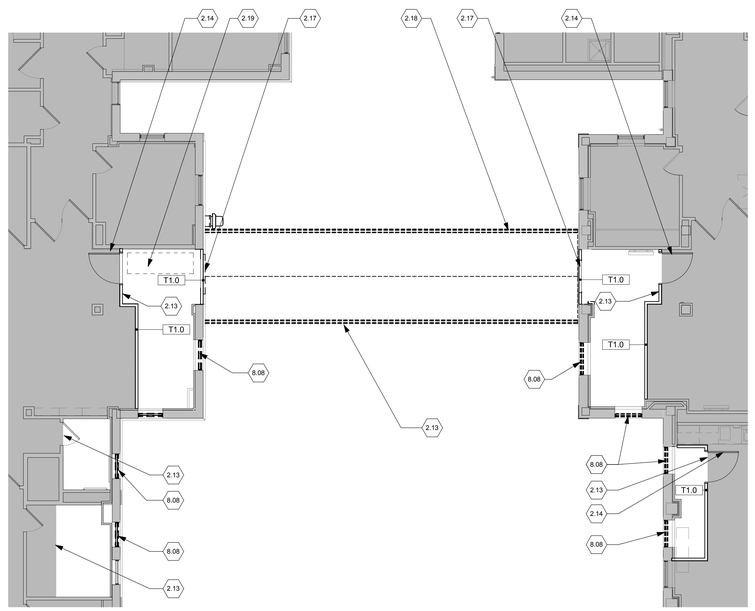
PROJECT

BASEMENT - PHASE THREE

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



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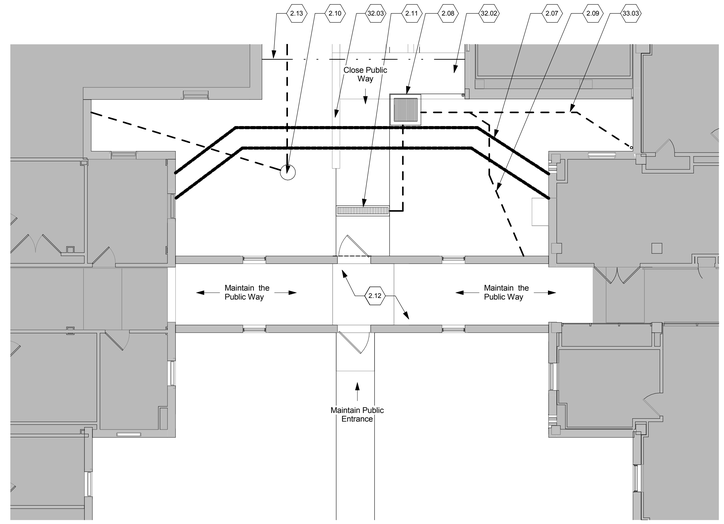
PROJECT

FIRST & SECOND FLOOR - PHASE THREE

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



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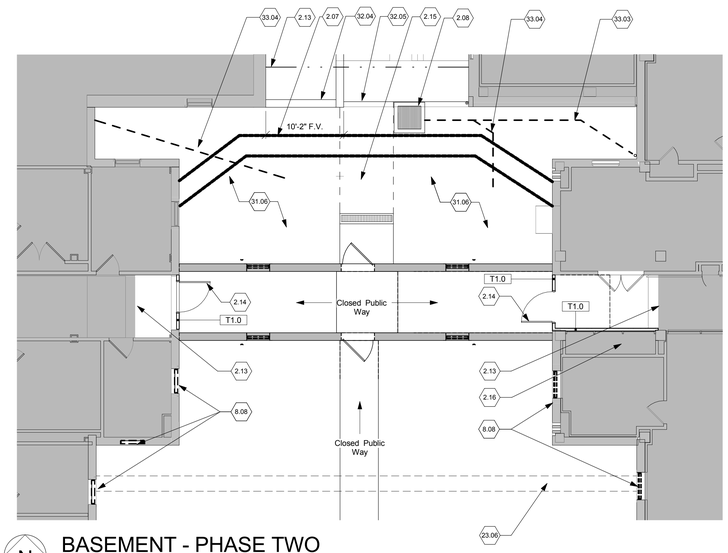
PROJECT

BASEMENT - PHASE ONE

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



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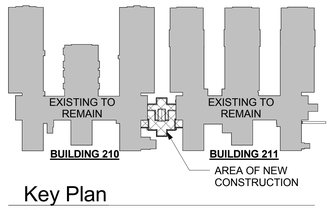
PROJECT

BASEMENT - PHASE TWO

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

KEY LEGEND

EXISTING TO REMAIN



Key Plan

Scale: N.T.S.

GENERAL PHASING NOTES

A. For temporary partition locations see Phasing/Demolition Plans. All temporary partitions will extend to the underside of the structural deck above. Temporary partitions are suggested locations.Coordinate final location in field withC.O.T.R.

B. Verify all conditions in the field prior to fabrication, erection and construction.

C. All asbestos containing material (ACM) must be abated per the direction of the C.O.T.R. and project specification 028213.13 and 028213.19 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.

D. Coordinate phase completion and start-up with requirements as set forth by the C.O.T.R. to maintain daily operations.

E. Coordinate location of job dumpster with the C.O.T.R. so as not to disrupt daily operations.

F. Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.T.R. See General Requirements.

G. Temporary door locations and sizes are as required by the General Contractor. Doors will not interfere with daily operations. Confirm all locations with the C.O.T.R.

H. Existing HVAC, medical gases, sprinklers and water supply to be maintained throughout as required during each phase of construction.Coordinate phasing with Mechanical and Plumbing contractor. Support and protect all lines during each phase of construction. See MEP Drawings.

J. Provide and maintain negative air pressure at all areas of new construction. Coordinate with HVAC contractor. See HVAC plans for temporary venting requirements and duct locations.

K. Existing power must be maintained throughout as required during each phase of construction.Coordinate phasing with Electrical Contractor. Coordinate power turnover with requirements as dictated by the C.O.T.R. See Electrical Drawings.

L. Coordinate sequence construction with C.O.T.R. so that only one side of any corridor in use is obstructed at any one time.

M. Coordinate all work involving the generation of noise and vibration so as to limit disturbance of patients and staff in occupied areas of Buildings 210 and 211. Contractor shall use construction methods which limit excessive noise and vibration. Excessive noise and vobration affecting occupied areas will only be permitted at very limited times and dates for short duration. Examples of activities which will be limited include saw cutting, jack hammering, hammer drilling, and core drilling.

N. All penetrations such as new or existing ducts, conduit, piping, electrical outlets, penetrations, created voids, etc. in all existing modified and new walls, smoke partitions, fire barriers, floor slabs shall be sealed to prevent passage of any smoke, flame, gases, etc. See Plumbing, HVAC, Electrical, Fire Protection Drawingsand Specifications.

O. New construction indicated in the remaining documets is considered to be 'Phase Four' and will occur after 'Phase Three'. If there are any question regarding phasing please contact the COTR.

P. In areas of renovation remove all acoustic ceiling tile and turn tile over to the COTR. Plan on removing tile up to a depth of 8 feet from the edge of the existing Building (2 full rows or 4 full rows depending upon existing ceiling orintation.) Provide new ACT tile to match all existing conditions at the conclusion of construction. Verify condition of grid with COTR prior to beginning demolition.

Q. At all exterior temporary wall constructin please provide exterior sheathing in lieu of regular type 'X' gypsum board.

⬡ PHASING NOTES

2.07 New electrical ductbank. Coordinate depth and location with Civil and Site work. See MEP and Civil Drawings.

2.08 Existing catch basin, protect in place. Keep clear of debris. See Civil Drawings.

2.09 6" Diameter storm line. Remove portion as required. See Civil Drawings.

2.10 Yard drain and storm line from Building 210, remove drain as directed. Maintain temporay drainage to existing catch basin as directed. Re-connect drainage to new 8 inch storm line in Phase 4. See Civil Drawings.

2.11 Maintain existing trench drain, storm line and sidewalk for as long as possible. Keep clear of debris. See Civil Drawings.

2.12 Existing connecting corridor. Protect in place during Phases One and Two.

2.13 Coordinate exact limits of construction and phasing in the field with the C.O.T.R.

2.14 Provide temporary partition and lockable 4(four) foot clear width hollow core door at interior locations and metal doors at exterior locations with egress/panic hardware, hold open and vision at demarcation of construction line as shown. Coordinate location in field with C.O.T.R. Temporary partitions shall only remain during the demolition and new work within the areas enclosed. Once new work is complete and approved by the C.O.T.R. temporary partitions will be removed unless directed otherwise. Doors will be open and unlocked during normal business hours or as required by the C.O.T.R.to provide access for the owner. Provide all hardware needed for a functioning opening able to maintain negative pressure when closed. See Sheet A501 for wall types.

2.15 Remove existing concrete sidewalk. See Civil Drawings.

2.16 Existing display case. Remove glass sliding panels and provide safe storage until re-installation. Provide temporary partition to protect cabinet. Remove partition upon completion of construction. touch-up and finshes damaged during construction, clean display case and re-instal glass panels.

2.17 Remove existing temporary wall and door after new construction is weathered in and after new temporary walls are constructed. At Contractor's option remove wall and window after new floor slab is constructed.

2.18 Remove existing connecting corridor and steam tunnel. See all Demolition Drawings.

2.19 Owner to relocate existing aviary/computer station.

2.23 Remove trench drain and storm line. See Civil Drawings.

4.36 Patch and repair brick at new opening. Tooth new brick into existing brick face. Match all existing conditions.

8.08 Remove existing window after erection of temporary partitions. Infill as shown on new construction plans. See Demolition Plans.

23.02 Maintain existing exhaust hood. See Mechanical Drawings.

23.05 Remove abandoned fan hood. See Mechanical Drawings.

23.06 Existing direct burried steamline, protect in place. See MEP Drawings.

31.06 Cover ductbank. Provide rough grading and site dewatering. See Civil Drawings.

31.07 Provide site dewatering and prepare site for excavation for remainder of new construction, Phase Four, see General Phasing Note P.

32.02 Concrete sidewalk to remain. See Civil Drawings.

32.03 Carefully remove portion of existing retaining wall to install new wall. Protect existing grading and drainage. See Civil Drawings.

32.04 Remove and prep existing wall for addition of new retaining wall. Provide new retaining wall. Protect wall as needed and provide remainder of wall and final grading as directed in Phase 4. See Civil Drawings.

32.05 Sawcut clean straight edge in existing sidewalk to facilitate installation of new concrete sidewalk. See Civil Drawings.

33.03 8 inch diameter storm drain. See Civil Drawings.

33.04 6 inch drainage line. Prepare for reconnection to building drainage. Provide tempoarary connections to existing catch basin as directed. Keep line clear and covered untill reconnection. See Civil Drawings.

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: PHASING PLANS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checker: WS | Drawer: WS

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: G200

Dwg.3 of 76

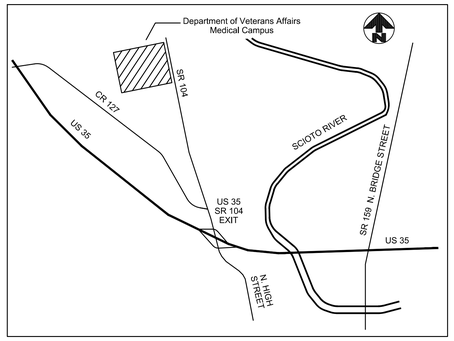
Office of Construction and Facilities Management

Department of Veterans Affairs

DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER

CLC COMMON AREA CONNECTOR

17273 STATE ROUTE 104
CHILLICOTHE, OH 45601



VICINITY MAP

NTS

GENERAL NOTES

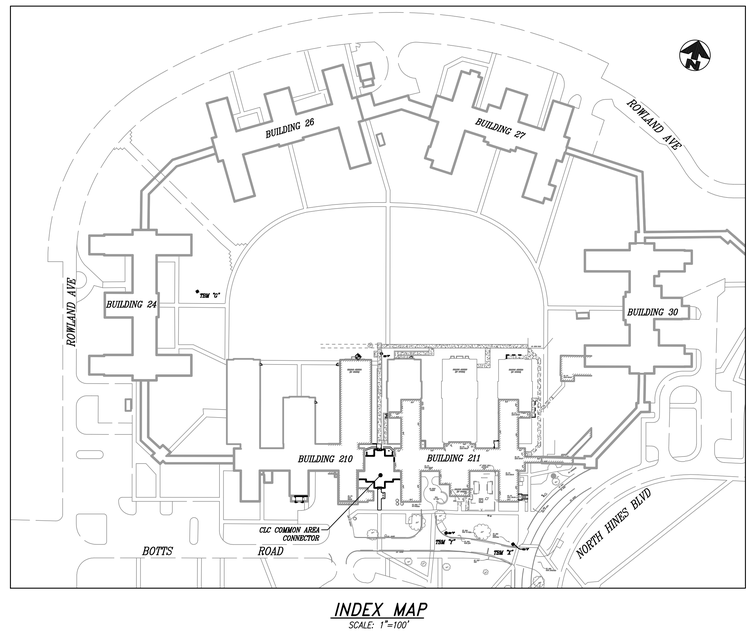
1. ALL PLANS & CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT REGULATIONS OF ROSS COUNTY, DEPARTMENT OF VETERANS AFFAIRS RFP, AND APPLICABLE OHIO DEPARTMENT OF TRANSPORTATION STANDARDS.
2. CONTRACTOR SHALL OBTAIN A PERMIT FOR ALL CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH DEPARTMENT OF VETERANS AFFAIRS.
3. ITEM NUMBERS REFER TO THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS. ALL CONSTRUCTION WORK SHALL BE DONE ACCORDING TO SAID SPECIFICATIONS AND IN ACCORDANCE WITH APPLICABLE STANDARDS OF ROSS COUNTY AND THE DEPARTMENT OF VETERANS AFFAIRS.
4. ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT AND/OR FACE OF CURB, UNLESS OTHERWISE NOTED.
5. CONCRETE WALKS SHALL BE 4" THICK WITH CONTROL JOINTS EQUALLY SPACED AT NO MORE THAN 6' ON CENTER.
6. ALL CATCH BASIN GRATES LOCATED WITHIN PAVEMENT OR SIDEWALK AREAS SHALL CONFORM TO ADA REQUIREMENTS.
7. CONTRACTOR TO REPLACE ANY PAVEMENT OR UTILITIES DAMAGED WHICH ARE NOT SPECIFIED TO BE REMOVED ON THESE PLANS.

GRADING NOTES

1. CONTRACTOR TO REMOVE TREES AND CLEAR AREAS AS NECESSARY TO PERFORM ALL SITE WORK INCLUDING GRADING AND UTILITY WORK.
2. PROTECTION OF EXISTING TREES AND VEGETATION: PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND VEGETATION TO BE LEFT STANDING.
3. ALL ELEVATIONS SHOWN ARE FINISHED GRADE ELEVATIONS.
4. SITE BUILDING PAD EXCAVATION AND CONSTRUCTION TO BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. BUILDING PAD PREPARATION SHALL BEGIN BY CLEARING & STRIPPING UNSUITABLE MATERIAL FROM PAD SITE. THEN PLACE & COMPACT BACKFILL MATERIAL AT GEOTECHNICAL ENGINEER'S AND ARCHITECT'S RECOMMENDATIONS. ALL BACKFILL MATERIAL MUST BE ACCEPTABLE TO THE GEOTECHNICAL ENGINEER.
5. ALL FILL UNDER PAVEMENT SHALL BE COMPACTED TO THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
6. CONTRACTOR SHALL IMPLEMENT ALL SOIL AND EROSION CONTROL PRACTICES REQUIRED BY THE OHIO EPA.
7. ALL GROUND SURFACE AREAS THAT HAVE BEEN EXPOSED OR LEFT BARE AS A RESULT OF CONSTRUCTION AND ARE TO FINAL GRADE AND ARE TO REMAIN SO, SHALL BE SEEDED AND MULCHED AS SOON AS PRACTICAL IN ACCORDANCE WITH ODOT ITEM 659.
8. CONTRACTOR TO REMOVE & REPLACE PAVEMENT AS SPECIFIED ON PLANS.

UTILITY NOTES

1. COMPACTED FILLS ARE TO BE MADE TO A MINIMUM OF THREE FEET ABOVE THE CROWN OF ANY PROPOSED SEWER PRIOR TO CUTTING OF TRENCHES FOR PLACEMENT OF SAID SEWERS. ALL FILLS SHALL BE CONTROLLED, COMPACTED, AND INSPECTED BY AN APPROVED TESTING LABORATORY OR AN INSPECTOR FROM THE APPROPRIATE GOVERNMENTAL AGENCY.
2. ADJUST ALL EXISTING CASTINGS AND CLEANOUTS WITHIN PROJECT AREA TO GRADE AS REQUIRED.
3. ALL PROPOSED STORM SEWERS, SURFACE OR OTHER DRAINAGE FACILITIES ARE TO BE PRIVATE AND MAINTAINED BY THE OWNER. EROSION CONTROL MEASURES MUST PROVIDE PROTECTION UNTIL COMPLETION OF THE PROJECT AND VEGETATIVE STABILIZATION.
4. THE CONTRACTOR IS TO CONSTRUCT CURBS, CATCH BASINS, DOWNSPOUTS, PIPING AND CONNECTIONS ETC. AS REQUIRED TO CONVEY THE ROOF AND PAVED SURFACE DRAINAGE TO THE DETENTION BASIN.
5. ALL STORM STRUCTURES ARE ODOT TYPES UNLESS OTHERWISE INDICATED.
6. STORM SEWER PIPE SHALL BE ONE OF THE FOLLOWING: PVC SDR-35, HIGH DENSITY POLYETHYLENE PER ODOT ITEM 707.33, CORRUGATED METAL PIPE PER ODOT ITEMS 707.01, 707.02, OR REINFORCED CONCRETE PIPE PER ODOT ITEM 706.02, CLASS IV OR 706.04. STORM SEWER PIPE LABELED "RCP", REGARDLESS OF SIZE, SHALL BE REINFORCED CONCRETE PIPE PER ODOT ITEM 706.02, CLASS IV OR 706.04.
7. ALL CATCH BASINS IN THE PAVEMENT ARE TO HAVE 4, 4" PERFORATED UNDERDRAINS EXTENDING 12 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED. ALL CATCH BASINS IN THE CURB ARE TO HAVE 2, 4" PERFORATED UNDERDRAINS EXTENDING 12 LF FROM THE CATCH BASIN IN THE UPHILL DIRECTION AND CAPPED.
8. ANY FIELD TILE CUT IN EXCAVATION WHICH DRAINS IN AN OFFSITE AREA MUST BE TIED INTO THE STORM DRAINAGE SYSTEM.
9. FOR EXACT LOCATION OF DOWN SPOUTS & ROOF DRAINS, COORDINATE WITH CONSTRUCTION MANAGER. ALL ROOF DRAINS ARE TO BE 8" UNLESS OTHERWISE NOTED.
10. ALL CATCH BASINS WITH DEPTH GREATER THAN 4.5' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 604.
11. ALL MANHOLES WITH A DEPTH GREATER THAN 4' SHALL BE PROVIDED WITH STEPS. STEPS SHALL MEET THE REQUIREMENTS OF ODOT ITEM 604.
12. DISTANCES SHOWN FOR STORM SEWER PIPES ARE MEASURED FROM CENTER OF STRUCTURE. CONTRACTOR RESPONSIBLE FOR ACTUAL FIELD CUT LENGTH. COORDINATES FOR STORM STRUCTURES ARE SHOWN TO THE CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
13. ROOF DRAINS, FOUNDATION DRAINS AND ALL OTHER CLEAR WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
14. THE CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO THE BEGINNING OF CONSTRUCTION OR EARTH MOVING OPERATIONS.
15. ALL YARD DRAINS SHALL BE ONE OF THE FOLLOWING: NYLOPLAST-ADS DRAIN BASIN, NDS DURACAST FABRICATED PVC CATCH BASIN, AGRI-DRAIN CATCH BASIN, OR APPROVED EQUAL.



INDEX MAP

SCALE: 1"=100'

INDEX OF SHEETS

C100	CIVIL TITLE SHEET & GENERAL NOTES
C101	DEMOLITION PLAN
C102	SITE PLAN
C103	GRADING PLAN
C104	EROSION CONTROL DETAILS & NOTES

BENCHMARKS

BM "Q"
CHISELED SQUARE LOCATED ON THE NORTHWEST CORNER OF A CONCRETE RAMP GOING TO THE EAST SIDE OF BUILDING 24.
ELEV. 710.18

BM "X"
CHISELED SQUARE ON ALIGHT POLE BASE LOCATED 71.0' FROM THE SOUTHEAST BUILDING CORNER OF BUILDING 211 AT THE INTERSECTION OF ROADS.
ELEV. 685.51

BM "Y"
CHISELED SQUARE ON LIGHT POLE BASE LOCATED SOUTH OF BUILDING 211 AT THE SOUTH MAIN ENTRANCE.
ELEV. 689.14

BASIS OF BEARINGS

BEARINGS ARE BASED ON THE OHIO STATE PLANE COORDINATE SYSTEM, OHIO SOUTH ZONE (NAD83-CORS), AS DETERMINED BY A GPS SURVEY UTILIZING ODOT CORS STATION OHRO AS MAINTAINED BY THE OHIO DEPARTMENT OF TRANSPORTATION.

DATUM

VERTICAL DATUM IS NAVD 1988 BASED ON BENCHMARK U186.

SITE SURVEY

TOPOGRAPHIC INFORMATION BASED ON SURVEY COMPLETED BY TESTECH INC, IN 2010 AND KLEINGERS & ASSOCIATES IN 2011.

APPROVALS

NAME DATE

UNDERGROUND UTILITIES

UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES. EXACT LOCATIONS CANNOT BE VERIFIED.

NOTE:
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BID DOCUMENTS - FULLY SPRINKLERED

Revisions	Date

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Drawing Title: CIVIL TITLE SHEET & GENERAL NOTES

Approved: Project Director

Project Title: CLC COMMON AREA CONNECTOR

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MJC | Drawn: MSM

Project No: VA Project No. 538-CSI-301 | JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: C100

Dwg. 4 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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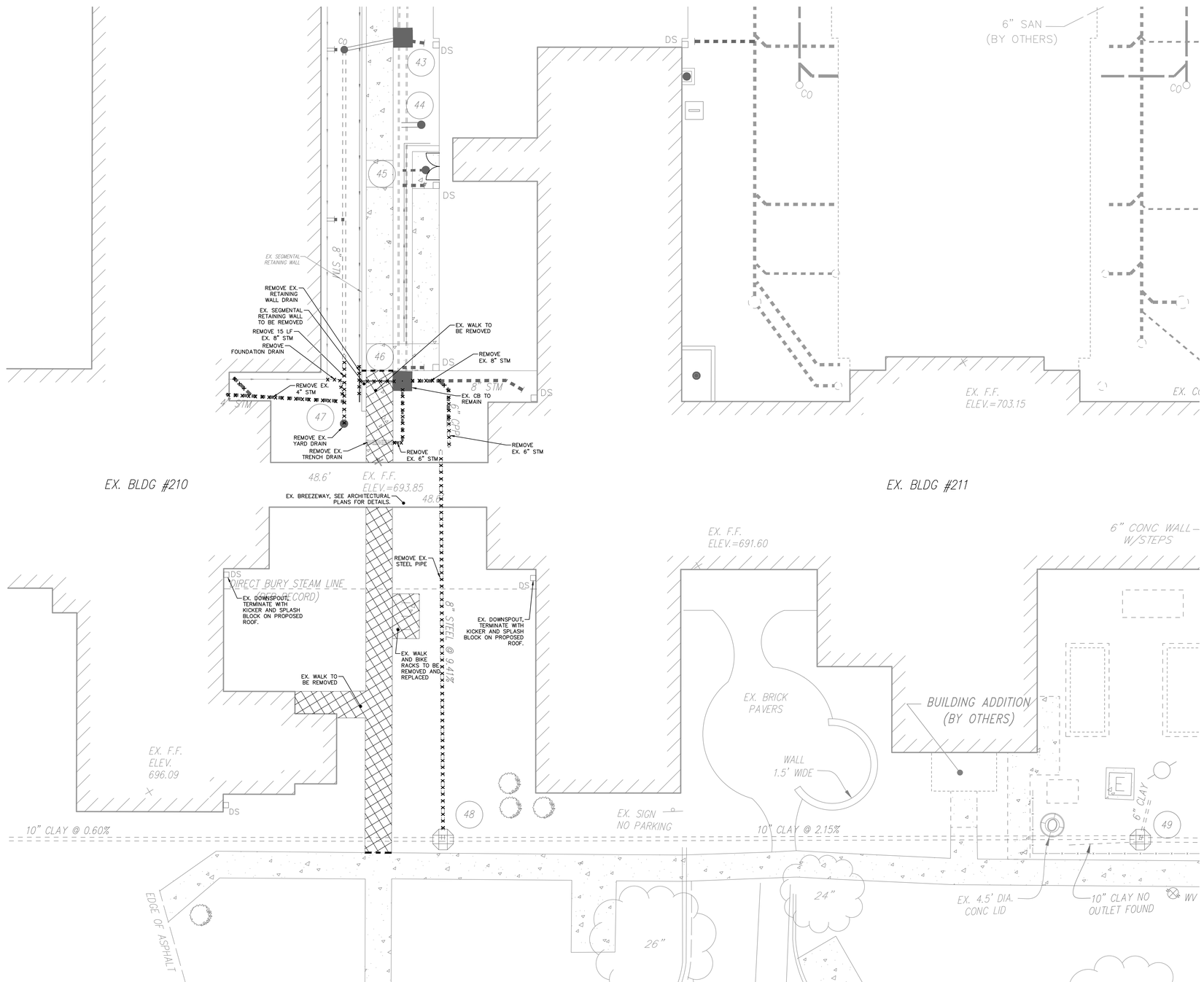

DEMOLITION LEGEND

- WALK TO BE REMOVED
- PIPE TO BE REMOVED
- SAWCUT
- STORM (BY OTHERS)
- SANITARY (BY OTHERS)
- EXISTING SANITARY
- EXISTING STORM

EXISTING LEGEND

- BENCHMARK
- POWER POLE
- LIGHT POLE
- SANITARY MANHOLE
- STORM MANHOLE
- CATCH BASIN
- CURB INLET
- FIRE HYDRANT
- WATER VALVE
- WATER MANHOLE
- WATER METER
- WATER INDICATOR POST
- A/C UNIT
- ELECTRIC BOX
- ELECTRIC METER
- ELECTRIC MANHOLE
- TELEPHONE MANHOLE
- PINE TREE
- DECIDUOUS TREE
- SIGN
- BUSH
- SANITARY SEWER
- STORM SEWER
- EXISTING CONCRETE

EX STORM STRUCTURE CHART

43 EX. CB
GRATE 696.50
INV 693.60 (8")E
INV 690.88 (8")SW
INV 686.55 (18")S
INV 686.45 (18")N

44 EX. YD
GRATE 695.25
INV 693.25 (12")W

45 EX. PLAZA DRAIN
GRATE 691.47
INV 689.30 (8")W

46 EX. CB
GRATE 693.30
INV 691.30 (4")W
INV 691.57 (6")S
INV 690.50 (8")E
INV 686.75 (18")N

47 EX. YD
GRATE 693.54
INV 692.59 (4")W
INV 691.64 (8")N

48 EX. STORM MH
RIM 692.89
INV 682.81 (8")NW
INV 682.49 (10")E
INV 682.56 (10")SW

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Drawing Title: DEMOLITION PLAN

Approved: Project Director

Project Title: CLC COMMON AREA CONNECTOR

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MJC | Drawn: MSM

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: C101

Dwg. 5 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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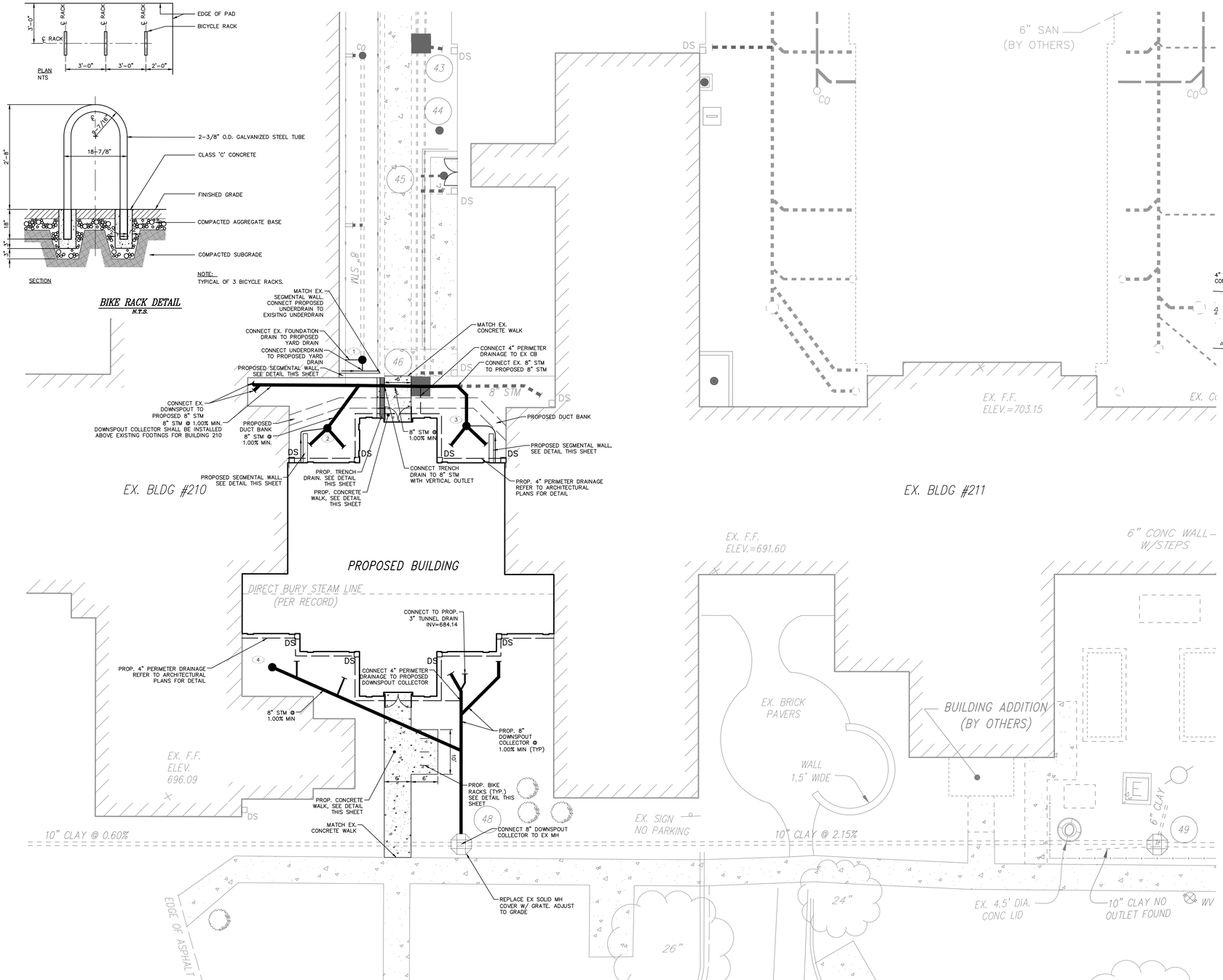
NOTE:
TYPICAL OF 3 BICYCLE RACKS.

BIKE RACK DETAIL
N.T.S.



LEGEND

- STORM (BY OTHERS)
- SANITARY (BY OTHERS)
- EXISTING SANITARY
- EXISTING STORM
- PROPOSED 4" PERIMETER DRAINAGE
- PROP. CONCRETE WALK (SEE DETAIL THIS SHEET)

0 5 10 20

EX STORM STRUCTURE CHART

43 EX. CB
GRATE 696.50
INV 693.60 (8")E
INV 690.88 (8")SW
INV 686.55 (18")S
INV 686.45 (18")N

44 EX. YD
GRATE 695.25
INV 693.25 (12")W

45 EX. PLAZA DRAIN
GRATE 691.47
INV 689.30 (8")W

46 EX. CB
GRATE 693.30
INV 691.30 (4")W
INV 691.57 (6")S
INV 690.50 (8")E
INV 686.75 (18")N
INV 687.24 (8")W
INV 687.24 (8")E

47 EX. YD
GRATE 693.54
INV 692.59 (4")W
INV 691.64 (8")N

48 EX. STORM MH
GRATE=692.45
INV 682.81 (8")W#
INV 682.49 (10")E
INV 682.56 (10")SW
INV 683.28 (8")N

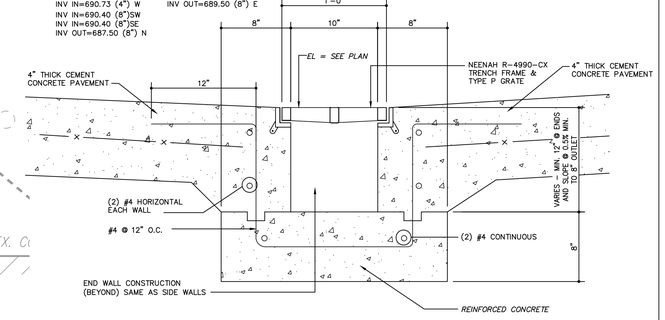
STORM STRUCTURE SCHEDULE

1
YARD DRAIN
N 506437.24
E 1820760.23
GRATE=696.85
INV IN=691.85 (4") W
INV OUT=691.52 (8") N

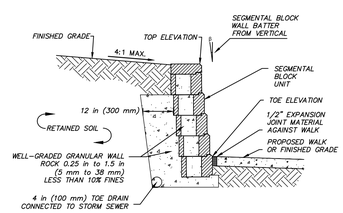
2
YARD DRAIN
N 506420.50
E 1820756.31
GRATE=693.34
INV IN=690.73 (4") W
INV IN=690.40 (8")SW
INV IN=690.40 (8")SE
INV OUT=687.50 (8") N

3
YARD DRAIN
N 506428.48
E 1820786.42
GRATE=692.75
INV IN=690.73 (4") E
INV IN=690.40 (8") SW
INV IN=690.40 (8") SE
INV OUT=687.55 (8") N

4
YARD DRAIN
N 506365.58
E 1820757.19
GRATE=692.50
INV OUT=689.50 (8") E



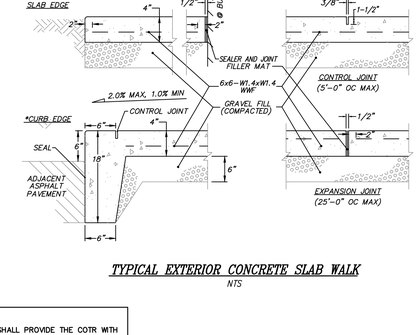
TRENCH DRAIN DETAIL
N.T.S.



NOTES:

1. SUBMIT SAMPLES OF WALL AND CAP UNITS FOR ARCHITECT'S APPROVAL.
2. CONSTRUCT FIELD MOCK-UP PRIOR TO INSTALLATION FOR ARCHITECT'S APPROVAL AS SPECIFIED.
3. CONSTRUCT WALLS PER MANUFACTURER'S SPECIFICATIONS.
4. SEE SHEET C103 FOR WALL GRADES.

SEGMENTAL RETAINING WALL DETAIL
N.T.S.



TYPICAL EXTERIOR CONCRETE SLAB WALK
NTS

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Drawing Title: SITE PLAN

Approved: Project Director

Project Title: CLC COMMON AREA CONNECTOR

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MJC | Drawn: MSM

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: C102

Dwg. 6 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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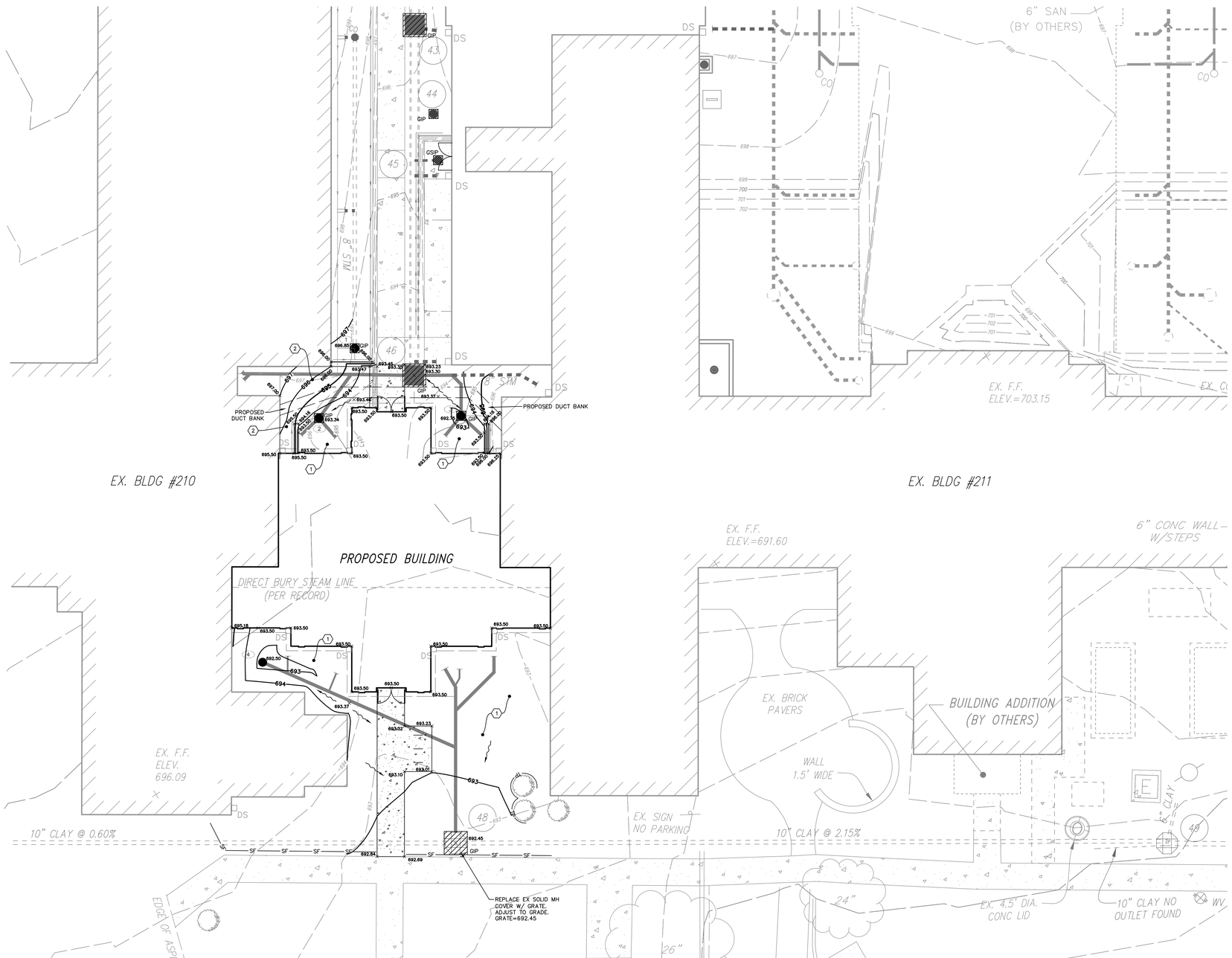

GRADING AND EROSION CONTROL LEGEND

- 695 / 694 — PROPOSED CONTOUR
- 693.76 — PROPOSED SPOT ELEVATION
- SWALE
- FLOOD ROUTE
- SF — SILT FENCE
- TP — TREE PROTECTION
- GIP — GEOTEXTILE INLET PROTECTION (GIP), SEE DETAIL SHEET C104
- GSIP — GEOTEXTILE–STONE INLET PROTECTION (GSIP), SEE DETAIL SHEET C104

CODED NOTES:

1. CONTRACTOR RESPONSIBLE FOR SEEDING DISTURBED AREAS PER PROJECT SPECIFICATIONS.
2. LANDSCAPING BETWEEN TOP OF RETAINING WALL AND BUILDING 210 SHALL BE PROVIDED BY OWNER UNDER A SEPARATE PROJECT.

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Drawing Title: GRADING PLAN

Approved: Project Director

Project Title: CLC COMMON AREA CONNECTOR

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MJC | Drawn: MSM

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: C103

Dwg. 7 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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1. **DESCRIPTION OF CONSTRUCTION:**

ADDITION TO MEDICAL CENTER BUILDING IN ROSS COUNTY, OHIO, INCLUDING THE BUILDING WALKS, STORM SEWERS, AND OTHER RELATED UTILITIES.

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING, INSTALLATION OF EROSION AND SEDIMENT CONTROLS, GRADING, INSTALLATION OF THE SEWERS AND OTHER UTILITIES AND THE PREPARATION FOR FINAL SEEDING.

2. **AREA AFFECTED BY CONSTRUCTION:**

APPROXIMATELY 0.15 ACRES

3. **RUNOFF COEFFICIENTS:**

PRE: C=0.54
POST: C=0.66
C=0.95 FOR BUILDINGS AND PAVEMENT, C=0.40 FOR OTHER AREAS.

4. **ESTIMATE OF THE IMPERVIOUS AREA CREATED BY THE CONSTRUCTION ACTIVITY:** APPROXIMATELY 0.03 ACRES

5. **EXISTING SOIL DATA:**

KENDALLVILLE SILT LOAM, 2 TO 6 PERCENT SLOPES

6. **EXISTING LAND USE:**

MEDICAL CENTER COMPLEX

7. **PROJECT SCHEDULE AND SEQUENCE:**

BEGIN:

A. INSTALL EROSION CONTROL MEASURES
B. GRADE THE SITE AND STOCKPILE TOPSOIL MINIMIZING THE DISTURBANCE OF EXISTING VEGETATION
C. STABILIZE DENUDED AREAS AND STOCKPILES WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA
D. INSTALL UTILITIES, STORM SEWER
E. COMPLETE CONCRETE WALKS
F. COMPLETE GRADING AND INSTALL PERMANENT SEEDING
G. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE EROSION CONTROL MEASURES AND RESEED ANY AREAS DISTURBED BY THEIR REMOVAL

8. **RECEIVING WATERS:**

PRIVATE STORM SEWER TO UNKNOWN TRIBUTARY OF THE SCIOTO RIVER

9. **POTENTIAL POLLUTION SOURCES:**

THE MAIN POSSIBLE SOURCE OF POLLUTION WOULD COME FROM ANY OF THE SOIL DISTURBING ACTIVITIES DESCRIBED IN ITEM NO. 1

10. **CONTROL MEASURES FOR STORM WATER RUNOFF, EROSION AND SEDIMENT:**

STABILIZATION OF DENUDED AREAS AND SOIL STOCKPILES

PERMANENT OR TEMPORARY SOIL STABILIZATION WILL BE APPLIED TO DENUDED AREAS WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE. SOIL STABILIZATION WILL ALSO BE APPLIED TO DENUDED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR MORE THAN 45 DAYS. APPLICABLE PRACTICES INCLUDE VEGETATIVE ESTABLISHMENT, MULCHING, AND THE EARLY APPLICATION OF GRAVEL BASE ON AREAS TO BE PAVED. SOIL STABILIZATION MEASURES WILL BE SELECTED TO BE APPROPRIATE FOR THE TIME OF YEAR, SITE CONDITIONS, AND ESTIMATED DURATION OF USE. SOIL STOCKPILES WILL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPPING MEASURES TO PREVENT SOIL LOSS.

ESTABLISHMENT OF PERMANENT VEGETATION

A PERMANENT VEGETATIVE COVER WILL BE ESTABLISHED ON DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED. PERMANENT VEGETATION WILL NOT BE CONSIDERED ESTABLISHED UNTIL A GROUND COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOIL EROSION SATISFACTORILY AND TO SURVIVE SEVERE WEATHER CONDITIONS. (SEE VEGETATIVE PRACTICES).

PROTECTION OF ADJACENT PROPERTIES

PROPERTIES ADJACENT TO THE SITE OF LAND DISTURBANCE WILL BE PROTECTED FROM SEDIMENT DEPOSITION. THIS WILL BE ACCOMPLISHED BY PRESERVING A WELL VEGETATED BUFFER STRIP AROUND THE LOWER PERIMETER OF LAND DISTURBANCE, BY INSTALLING PERIMETER CONTROLS SUCH AS SEDIMENT TRAPS, FILTERS OR DIKES, OR SEDIMENT BASINS, OR BY A COMBINATION OF SUCH MEASURES. VEGETATED FILTER STRIPS MAY BE USED ALONE ONLY WHERE RUNOFF IN SHEET FLOW IS EXPECTED. FILTER STRIPS SHOULD BE AT LEAST 15 FEET IN WIDTH. IF AT ANY TIME IT IS FOUND THAT A VEGETATED FILTER STRIP ALONE IS INEFFECTIVE IN STOPPING SEDIMENT MOVEMENT INTO ADJACENT PROPERTY, ADDITIONAL PERIMETER CONTROLS MUST BE PROVIDED.

TIMING AND STABILIZATION OF SEDIMENT TRAPPING MEASURES

SEDIMENT BASINS, DIVERSIONS, SEDIMENT TRAPS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT ON-SITE WILL BE CONSTRUCTED AS A FIRST STEP IN GRADING AND BE MADE FUNCTIONAL BEFORE UPSLOPE LAND DISTURBANCE TAKES PLACE. EARTHEN STRUCTURES SUCH AS DAMS, DIKES, AND DIVERSIONS WILL BE SEEDED AND MULCHED AFTER INSTALLATION.

SEDIMENT BASINS

STORM WATER RUNOFF CONTAINING DAMAGING AMOUNTS OF SEDIMENT SHALL PASS THROUGH A SEDIMENT BASIN OR OTHER SUITABLE SEDIMENT TRAPPING FACILITY.

CUT AND FILL SLOPES

CUT AND FILL SLOPES WILL BE DESIGNED AND CONSTRUCTED IN A MANNER WHICH WILL MINIMIZE EROSION. SLOPES WHICH ARE FOUND TO BE ERODING EXCESSIVELY WITHIN ONE YEAR OF CONSTRUCTION WILL BE PROVIDED WITH ADDITIONAL SLOPE STABILIZING MEASURES UNTIL THE PROBLEM IS CORRECTED.

STORM WATER MANAGEMENT

CONCENTRATED STORM WATER RUNOFF LEAVING THE SITE WILL BE DISCHARGED DIRECTLY INTO A WELL DEFINED ADEQUATELY PROTECTED NATURAL OR MAN-MADE OFF SITE RECEIVING CHANNEL OR PIPE. IF NO OFF SITE CHANNEL OR PIPE EXISTS, THE STORM WATER WILL BE DETAINED ON SITE IN A SUITABLE RETENTION/DETENTION FACILITY.

STABILIZATION OF WATERWAYS AND OUTLETS

ALL ON SITE STORM WATER CONVEYANCE CHANNELS WILL BE DESIGNED

AND CONSTRUCTED TO WITHSTAND THE EXPECTED VELOCITY OF FLOW FROM A 10 YEAR FREQUENCY STORM WITHOUT EROSION. DESIGN FOR A LARGER MAY BE NECESSARY FOR PROTECTION FROM THE STORM WATER FLOW. STABILIZATION ADEQUATE TO PREVENT EROSION WILL ALSO BE PROVIDED AT THE OUTLETS OF ALL PIPES AND PAVED CHANNELS.

STORM SEWER INLET PROTECTION

ALL STORM SEWER INLETS WHICH ARE MADE OPERABLE DURING CONSTRUCTION WILL BE PROTECTED SO THAT SEDIMENT-LADEN WATER WILL NOT ENTER THE CONVEYANCE SYSTEM WITHOUT FIRST BEING FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT.

WORKING IN OR CROSSING WATERCOURSES

CONSTRUCTION VEHICLES WILL BE KEPT OUT OF WATERCOURSES WHENEVER POSSIBLE. WHERE IN-CHANNEL WORK IS NECESSARY,

DISPOSAL OF SOLID, SANITARY AND TOXIC WASTE

SOLID, SANITARY AND TOXIC WASTE MUST BE DISPOSED OF IN A PROPER MANNER IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. IT IS PROHIBITED TO BURN, BURY OR POUR ONTO THE GROUND OR INTO STORM SEWERS ANY SOLVENTS, PAINTS, STAINS, GASOLINE, DIESEL FUEL, USED MOTOR OIL, HYDRAULIC FLUID, ANTIFREEZE, CEMENT CURING COMPOUNDS AND OTHER SUCH TOXIC OR HAZARDOUS WASTES. WASH OUT OF CEMENT TRUCKS SHOULD OCCUR IN DIKED AREAS AWAY FROM ANY DRAINAGE CHANNELS. THE DIKED AREA SHOULD HOLD A VOLUME 110% OF THE LARGEST TANK.

CONSTRUCTION ACCESS ROUTES AND PARKING AREAS

WHENEVER CONSTRUCTION VEHICLE ACCESS ROUTES INTERSECT PAVED PUBLIC ROADS, PROVISIONS WILL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO THE PAVED SURFACE. TEMPORARY CONSTRUCTION ROADS WILL FOLLOW THE CONTOUR OF THE NATURAL TERRAIN TO THE EXTENT POSSIBLE. SLOPES SHOULD NOT EXCEED 10 PERCENT. ROADBEDS SHALL BE AT LEAST 14 FEET WIDE FOR ONE-WAY TRAFFIC AND 20 FEET WIDE FOR TWO-WAY TRAFFIC. TEMPORARY PARKING AREAS WILL BE LOCATED ON NATURALLY FLAT AREAS WHENEVER POSSIBLE TO MINIMIZE GRADING. GRADES FOR SAID PARKING AREAS SHOULD BE SUFFICIENT TO PROVIDE DRAINAGE BUT NOT EXCEED 4 PERCENT SLOPE. BOTH TEMPORARY AND PERMANENT ROADS AND PARKING AREAS MAY REQUIRE PERIODIC TOP DRESSING WITH NEW GRAVEL. SEEDED AREAS ADJACENT TO ROADS AND PARKING AREAS WILL BE CHECKED PERIODICALLY TO ENSURE THAT A VIGOROUS STAND OF VEGETATION IS MAINTAINED.

NO CONSTRUCTION TRAFFIC WILL ENTER PUBLIC ROADS DIRECTLY FROM THE SITE EXCEPT THROUGH TEMPORARY OR PERMANENT PAVED ACCESS. ALL VEHICLES AND TIRES SHALL BE CLEANED OF MUD PRIOR TO ENTERING THE PUBLIC ROADS.

DISPOSITION OF TEMPORARY MEASURES

ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WILL BE DISPOSED OF AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES WILL BE PERMANENTLY STABILIZED TO PREVENT EROSION AND SEDIMENTATION.

MAINTENANCE

ALL TEMPORARY AND PERMANENT EROSION AND SEDIMENT CONTROL MEASURES WILL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION.

i.e. STORM INLET PROTECTION
INLET STRUCTURES SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED AND THE INLET PROTECTION SHALL BE RESTORED TO ITS ORIGINAL WORKING CONDITION. AT NO TIME SHALL MORE THAN A 2" BUILD UP OF SEDIMENT REMAIN AROUND THE INLET PROTECTION.

i.e. FILTER STRIPS
A HEALTHY GROWTH OF VEGETATION CAN BEST BE MAINTAINED BY FERTILIZING, REMOVING SEDIMENT WHEN FILTER BECOMES CLOGGED, AND BY PREVENTING CONSTRUCTION TRAFFIC FROM DRIVING ACROSS FILTER STRIPS.

i.e. SILT FENCES AND FILTER BARRIERS
SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

i.e. STRAW BALE BARRIERS
STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

THE NPDES PERMIT REQUIRES THAT SEDIMENT AND EROSION CONTROLS BE INSPECTED ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF 0.5" OR GREATER RAINFALL. A WRITTEN LOG OF THESE INSPECTIONS MUST BECOME PART OF THE SWP3. THIS LOG SHOULD INDICATE THE DATES OF THE INSPECTIONS, NAME OF THE INSPECTOR, WEATHER CONDITIONS, OBSERVATIONS, ACTIONS TAKEN TO CORRECT ANY PROBLEMS AND THE DATE THE ACTION WAS TAKEN.

11. **VEGETATIVE PRACTICES**

THE FOLLOWING CHART APPLIES WHEN ESTABLISHING NEW SEEDINGS.

SEEDING MIXTURE AND SITE SUITABILITY CHART

SEEDING MIXTURE1/	RATE lbs/acre	WET2/	SOIL SUITABILITY WELL DRAINED3/
1. Alfalfa4/	10		*
or Red Clover	10		
plus			
Timothy	4		
or Orchardgrass	6		
or Bromegrass	6		
2. Ladino Clover4/	1/2	*	*
plus			
Timothy	4		
or Orchardgrass	6		
or Bromegrass	8		
3. Tall Fescue	40	*	*
4. Reed Canarygrass	15	*	
plus			
Tall Fescue	10		

1/ ALL PERMANENT SEEDING SHALL BE COMPLETED BETWEEN APRIL 1 TO MAY 15, OR AUGUST 15 TO SEPTEMBER 30. IF AN ALTERNATE SEEDING TIME IS NECESSARY, FOLLOW THE SPECIFICATIONS CONTAINED IN CRITICAL AREA PLANTING - DORMANT SEEDING FOR METHODS, TIMING AND RATE ADJUSTMENTS.

2/ INCLUDES SITES WHICH ARE EXCESSIVELY WET ONLY A PORTION OF THE GROWING SEASON.

3/ INCLUDES SITES WHICH ARE WELL DRAINED WITH TILE; ALSO NATURALLY WELL DRAINED AND DROUGHT SITES.

4/ MIXTURES 1 AND 2 ARE MORE DESIRABLE FOR WILDLIFE HABITAT.

VEGETATIVE STREAM BANK STABILIZATION (VSS)

TO PROTECT THE BANKS OF CREEKS, STREAMS, AND RIVERS WHICH ARE, OR MAY BE AFFECTED BY EXCESS RUNOFF FROM CONSTRUCTION ACTIVITIES.

TREES AND BRUSH THAT WILL AFFECT THE GROWTH OF DESIRABLE VEGETATION WILL BE REMOVED.

PRIOR TO SEEDING OR PLANTING, CLEAR THE STREAM CHANNEL OF FALLEN TREES, STUMPS, AND OTHER DEBRIS THAT MAY FORCE STREAMFLOW INTO STREAMBANK.

WHERE NECESSARY THE STREAM BANK SIDE SLOPE SHALL BE CUT BACK TO A 2:1 SLOPE OF FLATTER AND REMOVE OVERHANGING BANK EDGES.

THE SEEDED SHALL BE ROUGHENED WITH A RAKE OR SIMILAR TOOL AND FERTILIZED WITH 100 lbs. PER ACRE OF 15-15-15 OR EQUIVALENT (24 lbs./100 SQ. FT.).

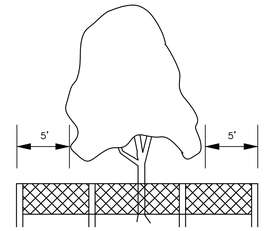
GRASS SELECTION AND ESTABLISHMENT:

A. TALL FESCUE--SEED AT A RATE OF 40 lbs./ACRE (1 lb./100 SQ. FT.) AND MULCH WITH STRAW AT A RATE OF 2 TONS PER ACRE (90 lbs./1000 SQ. FT.). ESTABLISH BETWEEN APRIL 1 TO MARCH 15 OR AUGUST 1 TO SEPTEMBER 30. COVER THE SEED 1/4-1/2 INCH BY RAKE OR SIMILAR TOOL. THIS IS THE MOST WIDELY USED AND BEST ADAPTED GRASS FOR STREAM BANK SEEDINGS. ITS HAS GOOD TOLERANCE TO WET SOILS AND FLOODING. IT IS ALSO WELL ADAPTED TO WELL DRAINED SOILS.

B. REED CANARYGRASS (PHALARIS ARUNDINACAE) PLUS TALL FESCUE--SEED THE REED CANARYGRASS AT A RATE OF 15 lbs./ACRE (1/3 lb./1000 SQ. FT.), PLUS 10 lbs./ACRE (1/4 lb./1000 SQ. FT.) OF TALL FESCUE. MULCH WITH STRAW AT A RATE OF 2 TONS/ACRE (90 lbs./1000 SQ. FT.). THIS MIXTURE SHOULD ONLY BE SEEDED FROM MARCH 1 TO MAY 15, OR AUGUST 15 TO SEPTEMBER 30. COVER THE SEED 1/4-1/2 INCH BY RAKING OR SIMILAR TOOL. THIS MIXTURE IS ADAPTABLE TO SOILS THAT ARE VERY WET AS WELL AS WELL DRAINED SOIL CONDITIONS. REED CANARYGRASS CAN WITHSTAND EXTENDED PERIODS OF FLOODING. IT IS EXCELLENT FOR EROSION CONTROL. REED CANARYGRASS CAN ALSO BE ESTABLISHED BY SOD STRIPS, USING RHIZIMES, OR FRESHLY CUT CULMS. THE LOCAL CONSERVATION SERVICE OFFICE CAN PROVIDE THE SPECIFIC DETAILS REQUIRED TO USE ONE OF THE ALTERNATIVE ESTABLISHMENT METHODS.

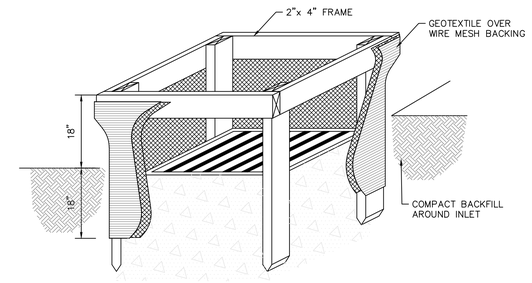
12. **FINAL SITE STABILIZATION**

FINAL SITE STABILIZATION IS CONSIDERED ACHIEVED ONCE ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES ARE REMOVED AND DISPOSED OF AND ALL TRAPPED SEDIMENT HAS BEEN PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.



PROTECTION OF EXISTING TREES AND VEGETATION:

PROTECT EXISTING TREES AND OTHER VEGETATION INDICATED TO REMAIN IN PLACE AGAINST UNNECESSARY CUTTING, BREAKING OR SKINNING OF ROOTS, SKINNING OR BRUISING OF BARK, SMOTHERING OF TREES BY STOCKPILING CONSTRUCTION MATERIALS OR EXCAVATED MATERIALS WITHIN DRIP LINE, EXCESS FOOT OR VEHICULAR TRAFFIC, OR PARKING OF VEHICLES WITHIN DRIP LINE. PROVIDE TEMPORARY GUARDS TO PROTECT TREES AND AND VEGETATION TO BE LEFT STANDING.



GEOTEXTILE INLET PROTECTION (GIP)

NOTES:

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE STORM DRAIN BECOMES OPERATIONAL.

2. THE EARTH AROUND THE INLET SHALL BE EXCAVATED COMPLETELY TO A DEPTH AT LEAST 18 IN.

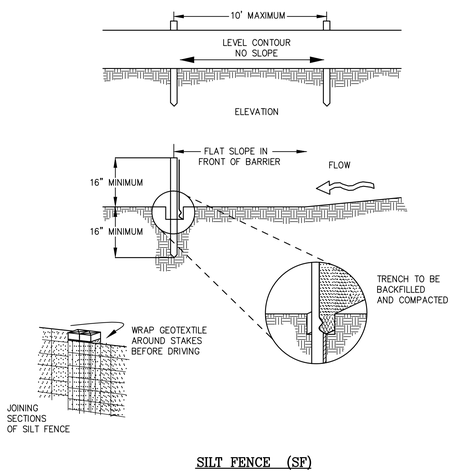
3. THE WOODEN FRAME SHALL BE CONSTRUCTED OF 2-BY-4-IN. CONSTRUCTION-GRADE LUMBER. THE 2-BY-4-IN. POSTS SHALL BE DRIVEN 1 FT. INTO THE GROUND AT FOUR CORNERS OF THE INLET AND THE TOP PORTION OF 2-BY-4-IN. FRAME ASSEMBLED USING THE OVERLAP JOINT SHOWN. THE TOP OF THE FRAME SHALL BE AT LEAST 6 IN. BELOW ADJACENT ROADS IF PONDED WATER WOULD POSE A SAFETY HAZARD TO TRAFFIC.

4. WIRE MESH SHALL BE OF SUFFICIENT STRENGTH TO SUPPORT FABRIC WITH WATER FULLY IMPOUNDED AGAINST IT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY TO THE FRAME.

5. GEOTEXTILE SHALL HAVE AN EQUIVALENT OPENING SIZE OF 20-40 SIEVE AND BE RESISTANT TO SUNLIGHT. IT SHALL BE STRETCHED TIGHTLY AROUND THE FRAME AND FASTENED SECURELY. IT SHALL EXTEND FROM THE TOP OF THE FRAME TO 18 IN. BELOW THE INLET NOTCH ELEVATION. THE GEOTEXTILE SHALL OVERLAP ACROSS ONE SIDE OF THE INLET SO THE ENDS OF THE CLOTH ARE NOT FASTENED TO THE SAME POST.

6. BACKFILL SHALL BE PLACED AROUND THE INLET IN COMPACTED 6-IN. LAYERS UNTIL THE EARTH IS EVEN WITH NOTCH ELEVATION ON ENDS AND TOP ELEVATION ON SIDES.

7. A COMPACTED EARTH DIKE OR A CHECK DAM SHALL BE CONSTRUCTED IN THE DITCH LINE BELOW THE INLET IF THE INLET IS NOT IN A DEPRESSION AND IF RUNOFF BYPASSING THE INLET WILL NOT FLOW TO A SETTLING POND. THE TOP OF EARTH DIKES SHALL BE AT LEAST 6 IN. HIGHER THAN THE TOP OF THE FRAME.



SILT FENCE (SF)

NOTES:

1. SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

2. ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.
TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.
WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.

3. WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED, IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

4. THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.

5. THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 IN. DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

6. THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6-IN.-DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

7. SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

8. MAINTENANCE--SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERLAPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE:
1) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED
2) ACCUMULATED SEDIMENT SHALL BE REMOVED
OR
3) OTHER PRACTICES SHALL BE INSTALLED.

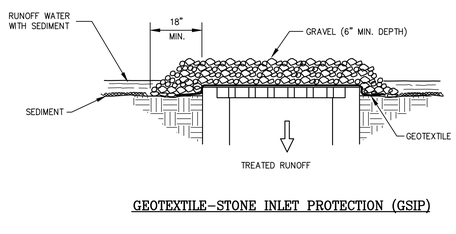
9. CRITERIA FOR SILT FENCE MATERIALS

1) FENCE POSTS--THE LENGTH SHALL BE A MINIMUM OF 32 IN. LONG. WOOD POSTS WILL BE 2-BY-2-IN. HARDWOOD OF SOUND QUALITY. THE MAXIMUM SPACING BETWEEN POSTS SHALL BE 10 FT.

2) SILT FENCE FABRIC SHALL BE ODOT TYPE C GEOTEXTILE FABRIC OR AS DESCRIBED IN THE CHART BELOW:

FABRIC PROPERTIES

MINIMUM TENSILE STRENGTH	120 LBS
MAXIMUM ELONGATION AT 60 LBS	50%
MINIMUM PUNCTURE STRENGTH	50 LBS
MINIMUM TEAR STRENGTH	40 LBS
MINIMUM BURST STRENGTH	200 PSI
APPARENT OPENING SIZE	≤ 0.84MM
MINIMUM PERMITTIVITY	$1X10^{-2}$ SEC^{-1}
ULTRAVIOLET EXPOSURE STRENGTH RETENTION	70%



GEOTEXTILE-STONE INLET PROTECTION (GSIP)

NOTES

1. INLET PROTECTION SHALL BE CONSTRUCTED EITHER BEFORE UPSLOPE LAND DISTURBANCE BEGINS OR BEFORE THE INLET BECOMES FUNCTIONAL.

2. GEOTEXTILE AND/OR WIRE MATERIAL SHALL BE PLACED OVER THE TOP OF THE STORM SEWER AND APPROXIMATELY SIX (6) INCHES OF 2-INCH OR SMALLER CLEAN AGGREGATE PLACED ON TOP. EXTRA SUPPORT FOR GEOTEXTILE IS PROVIDED BY PLACING HARDWARE CLOTH OR WIRE MESH ACROSS THE INLET COVER. THE WIRE SHOULD BE NO LARGER THAN ½" MESH AND SHOULD EXTEND AN EXTRA 12 INCHES ACROSS THE TOP AND SIDES OF THE INLET COVER.

3. MAINTENANCE MUST BE PERFORMED REGULARLY, ESPECIALLY AFTER STORM EVENTS. WHEN CLOGGING OF THE STONE OR GEOTEXTILE OCCURS, THE MATERIAL MUST BE REMOVED AND REPLACED.

UNDERGROUND UTILITIES

UNDERGROUND UTILITIES ARE PLOTTED FROM A COMPILATION OF RECORD INFORMATION AND SURFACE INDICATIONS OF UNDERGROUND STRUCTURES. EXACT LOCATIONS CANNOT BE VERIFIED.

NOTE:
THE CONTRACTOR SHALL PROVIDE THE COTR WITH INFORMATION PROVIDED BY THE CONTRACTOR'S UNDERGROUND UTILITY LOCATING SERVICE TO CONFIRM UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO COMMENCING EXCAVATION ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY LOCATIONS INSIDE AND OUTSIDE OF THE CONSTRUCTION FENCING. UTILITY LOCATING WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

BID DOCUMENTS - FULLY SPRINKLERED

Revisions	Date

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Drawing Title: EROSION CONTROL NOTES & DETAILS

Approved: Project Director

Project Title: CLC COMMON AREA CONNECTOR

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MJC | Drawn: MSM

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: C104

Dwg. 8 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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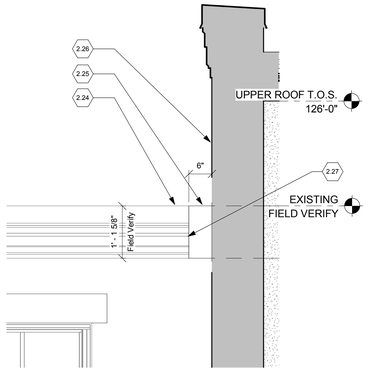
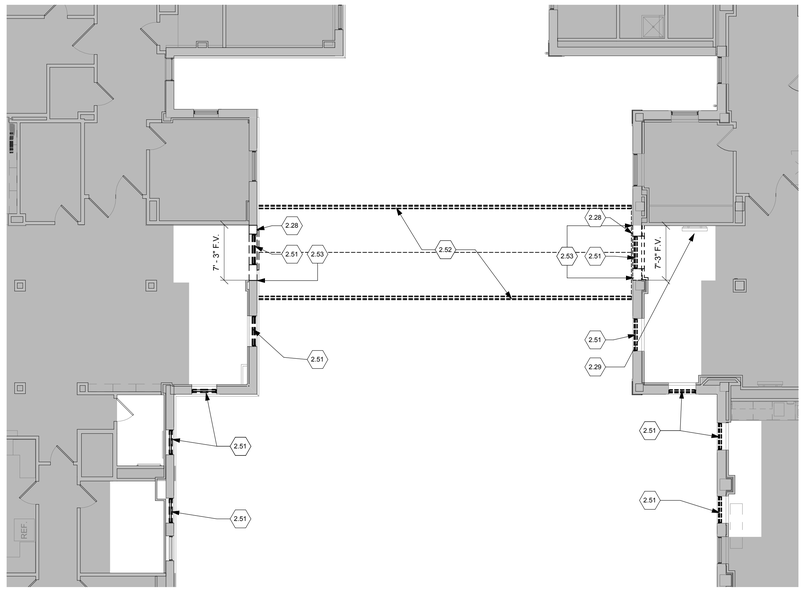


4 CORNICE DETAIL

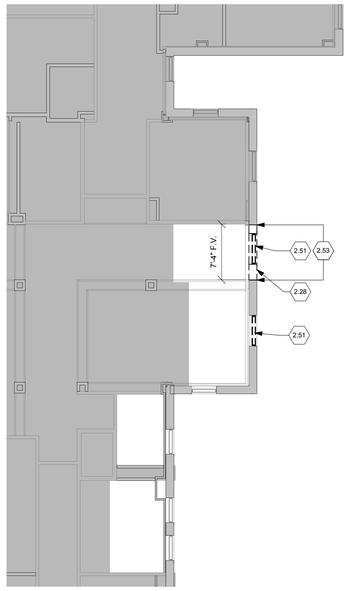
Scale: 3/4" = 1'-0"

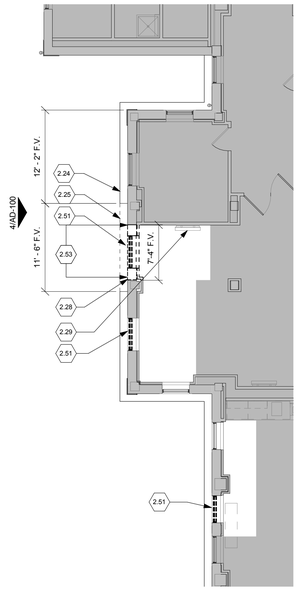


N 2 LEVEL 1 - DEMOLITION PLAN

PLAN

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

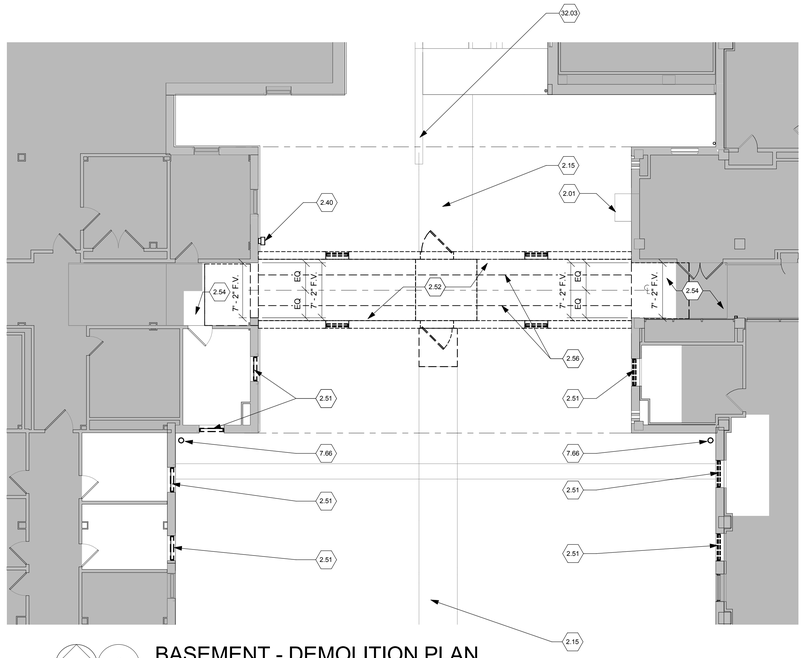




N 3 LEVEL 2 - DEMOLITION PLAN

PLAN

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



N 1 BASEMENT - DEMOLITION PLAN

PLAN

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

GENERAL DEMOLITION NOTES

A. Remove all existing partitions shown with dashed line. Repair wall and floor finishes to match adjacent surfaces at areas of removal or scheduled new surfaces.

B. Remove all existing borrowed lights, doors and hollow metal frames where indicated with dashed line. Unused hardware shall be turned over to Owner. Box hardware before giving to Owner.

C. Remove wall-hung toilet room accessories and medical equipment as required and turn over to Owner.

D. See Plumbing, HVAC and Electrical Drawings for removal work associated with those trades.

E. Computer and communication cables and/or other wiring, piping, tubing, etc. serving other areas and functions located above ceiling or in walls of area to be remodeled shall be maintained during demolition/construction process. Coordinate any required changes to these systems with the C.O.T.R.

F. Repair existing walls to match adjacent undisturbed wall where cabinets, countertops, etc. are shown to be removed.

G. Prepare walls and floor slabs as required to receive new fininsh materials where existing finish is indicated to be removed.

H. Remove existing corner guards in areas to be remodeled.

J. See Phasing Plans, Sheet G200 for suggested work boundaries and temporary partition locations.

K. Protect existing window sills, stools and trim during demolition. These items will be incorporated in the window new window infill and finish. Only remove these items if absolutely required during demolition of the existing windows.

L. See Civil Plans for exterior site demolition.

M. Protect all existing doors that are to remain. Refinish to like new any existing doors damaged during construction.

N. Existing computer and communication cables and/or wiring, piping, tubing, etc. serving other areas and functions located above ceiling or in walls of areas to be remodeled shall be maintained during the demolition and construction.

P. Provide sticky mats all all exits from the construction area.

Q. Remove all wall hung accessories inside the area of demolition and turn over to the COTR. Repair all wall and floor finishes to match adjacent existing or sceduled new surfaces.

⬡ DEMOLITION PLAN NOTES

2.01 Existing construction to remain.

2.06 Existing underground steamline to remain. Verify steam pipe location prior to demolition and new wok. Coordinate with Civil, Structural, and MEP drawings.

2.15 Remove existing concrete sidewalk. See Civil Drawings.

2.24 Line of cornice above. Protect in place unless noted otherwise.

2.25 Carefully remove portion of cornice as shown down to face of exterior brick veneer. Sawcut a clean straight edge at limit of demolition both sides that will facilitate installation of new wood blocking and cover.

2.26 New Building, See Plans and Elevations.

2.27 Provide 3/4" plywood endcap cut to cornice profile. Glue and screw to existing frame, caulk and seal joints. Provide and secure copper flashing at new edge and turndown 6 inches minimum. Weave flashing under existing shingles. Paint endcap to match cornice. Clean existing brick fascade. Patch and deficiencies found upon removal of the cornice. Verify all elevations in the field.

2.28 Remove grout platform at base of wall to top of structural slab. Existing slab shall be made level at area of wall removal with cementious high strength fill. Feather all edges to match adjecent slab elevations. Typical at First and Second floor openings.

2.29 Existing flat screen TV. Carefully remove from wall and hand over to the owner for safe storage. Re-install at the conclusion of construction.

2.40 Carefully remove sidewall exhaust fan. Tooth in new masonry to fill in void. Coordinate with Mechanical drawings.

2.51 Remove existing window assembly as required for new work.

2.52 Remove existing exterior masonry walls, doors, windows, roof, ramps, railings, structure, foundation and all backfill down to prescribe depth as required to install new building foundation. See Structural drawings.

2.53 Sawcut and remove exterior masonry and interior wall as required for new work. Provide temporary shoring.

2.54 Carefully remove existing ramp from adjacent walls. Provide a clean and straight sawcut edge between portion of ramp to be removed and the remaining portion of floor / ramp to remain. Prepare area for new construction.

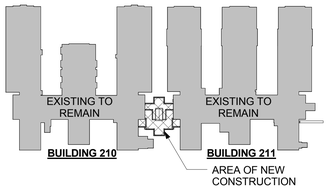
2.56 Carefully remove underground concrete tunnel and provide clean flush facade for new work. See Structural and MEP drawings.

7.66 Existing copper downspout. Cut to length and redirect to lower roof as shown. See Civil Drawings.

32.0 3 Carefully remove portion of existing retaining wall to install new wall. Protect existing grading and drainage. See Civil Drawings.

DEMOLITION LEGEND

- EXISTING WALLS / MATERIALS / EQUIPMENT TO BE REMOVED
- EXISTING WALLS / MATERIALS / EQUIPMENT TO REMAIN
- EXISTING AREA TO REMAIN
- LIMIT OF DEMOLITION COORDINATE EXACT LIMIT IN FIELD WITH COTR.
- PHASING BOUNDARY



Key Plan

Scale: N.T.S.

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: DEMOLITION PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

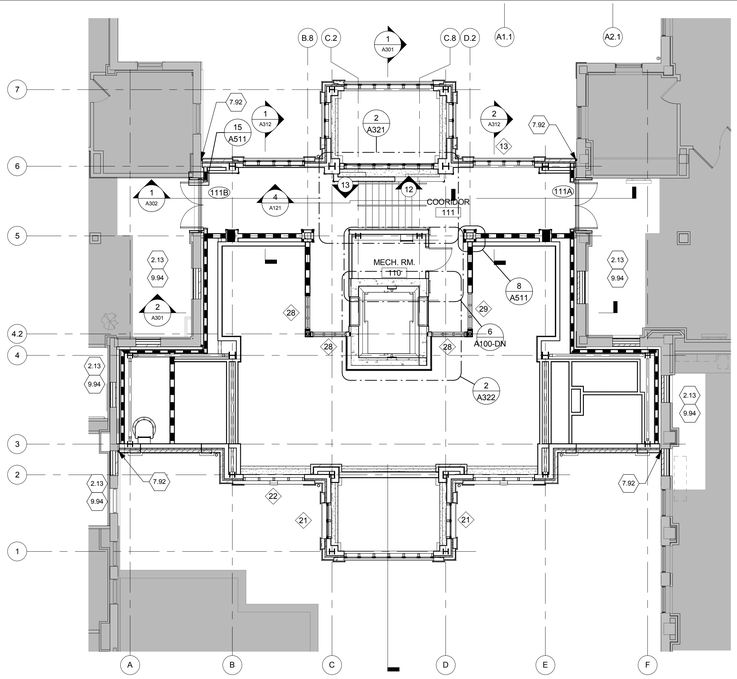
Building Number: 210/211

Drawing Number: AD-100

Dwg.9 of 70

Office of Construction and Facilities Management

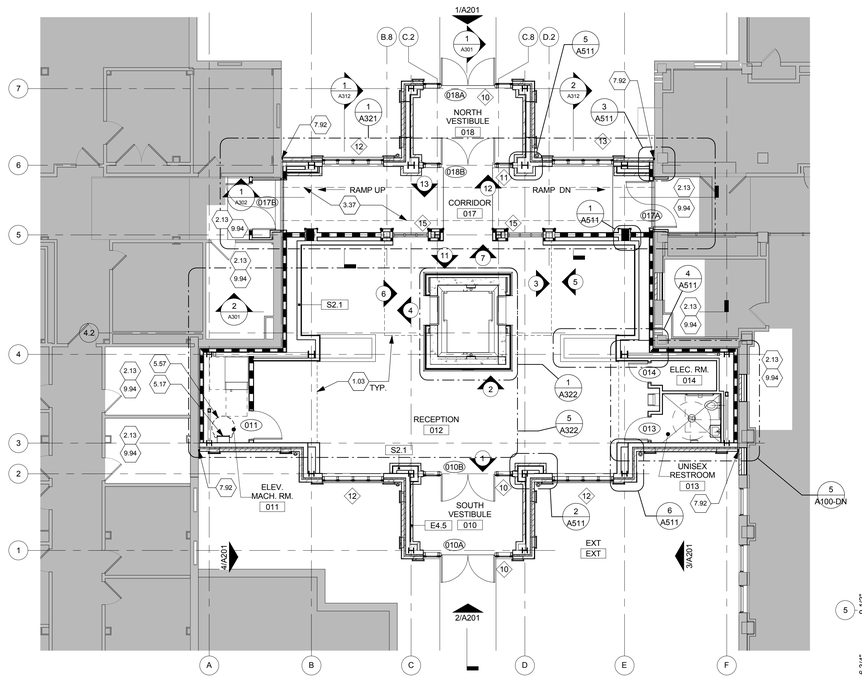
Department of Veterans Affairs



LEVEL 1 - NOTE PLAN

N 4 PLAN

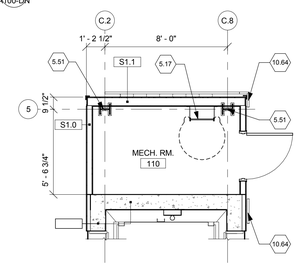
Scale: 1/8" = 1'-0"



BASEMENT- NOTE PLAN

N 2 PLAN

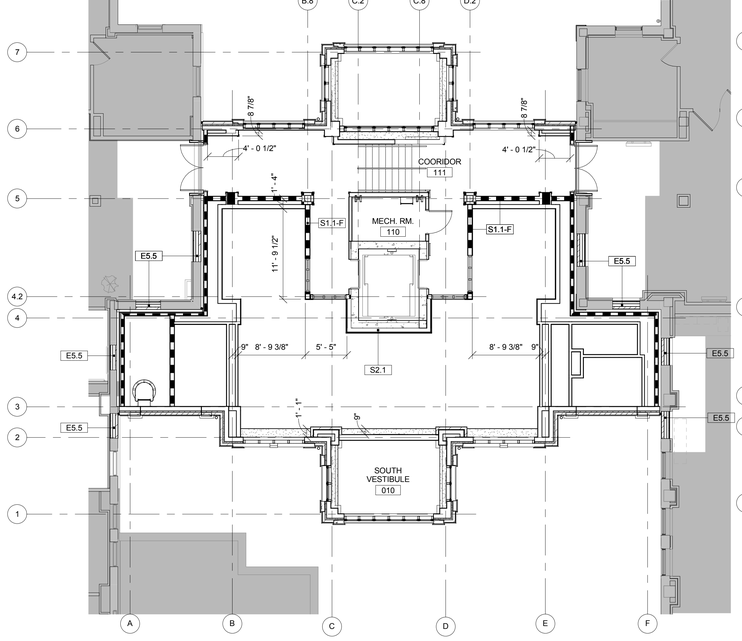
Scale: 1/8" = 1'-0"



ENLARGED PLAN

N 6 PLAN

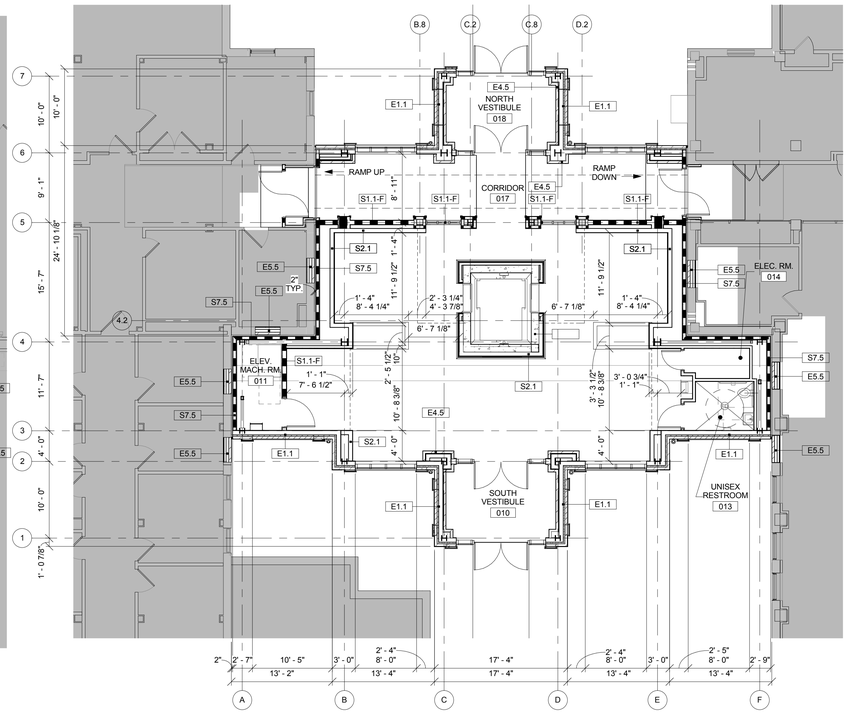
Scale: 1/4" = 1'-0"



LEVEL 1 - DIMENSION PLAN

N 3 PLAN

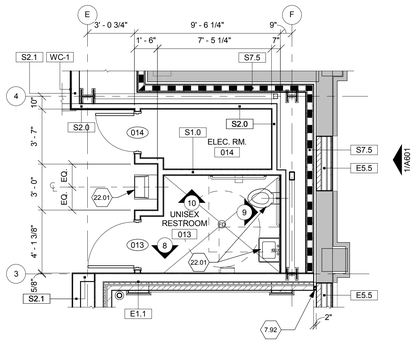
Scale: 1/8" = 1'-0"



BASEMENT - DIMENSION PLAN

N 1 PLAN

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



ENLARGED PLAN

N 5 PLAN

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

GENERAL NOTES

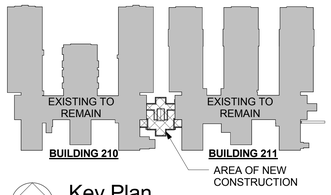
- A All dimensions are taken to face of gypsum wallboard or unit masonry.
- B Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls.
- C Install fire retardant blocking at all wall mounted equipment, accessories, casework and wall- mounted door stops. Provide certificate of fire-retardant to the C.O.T.R. for approval.
- D All walls are type S1.0 unless noted otherwise. For partition types refer to Drawing A501.
- E Verify all conditions in the field prior to fabrication, erection and construction.
- F All gypsum board to be moisture resistant gypsum board behind all new sinks, drinking fountain, and water closet.
- G Provide accoustic batt insultion at interior partitions and thermal batt insulation at all new exterior wall construction.
- H Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.T.R. See General Requirements.
- J 100'-0" equals 703.15', contractor to verify floor to floor elevations in the field.
- K All asbestos containing material (ACM) must be abated per the direction of the C.O.T.R. and project specification 028213 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.
- L Finish floor elevation is considered 0'-0" for floor drain placement. All drains shall be at -0'-0 1/2" unless noted otherwise. Slope slab to drain. See Structural Drawings.
- M Cast stone arches will be self-supporting. Attachment will be designed by the cast stone manufacturer. See Structural Drawings.
- N Tooth in all new masonry into existing, match all existing conditions.

⬡ FLOOR PLAN NOTES

- 1.03 Line of bulkhead above, refer to Reflected Ceiling Plans.
- 2.13 Coordinate exact limits of construction and phasing in the field with the C.O.T.R.
- 3.37 New concrete tunnel. Verify all elevations and enpoints in the field prior to beginning construction. See Structural Drawings
- 5.17 Fixed steel ladder with 1" diameter steel rungs @ 12" O.C. and steel safety cage. Height of safety cage to start 7'-2" A.F.F. Mount to wall and floor slab with steel angle brackets. Provide fire treated wood blocking per ladder manufacturer. Coordinate placement during wall construction.
- 5.51 Structural steel column with sprayed-on fireproofing. See Structural Drawings.
- 5.57 Coordinate location of electric panel with ladder safety cage. See Electrical Drawings.
- 7.92 Continuous 2" wall to wall exterior expansion joint cover with expandable seal.
- 9.94 Match all existing finishes this area. Coordinate with Phasing Plans.
- 10.64 Continuous resilient handrail, see Finish Schedule.
- 22.01 Plumbing fixture. See Plumbing Drawings.

GRAPHIC SYMBOLS

- 1/A101 EXTERIOR ELEVATION
- X INTERIOR ELEVATION SEE 700 SERIES SHEETS
- X XXXX SIM SECTION/DETAIL NUMBER DRAWING NUMBER
- X EQUIPMENT TAG
- X COLUMN GRID
- ? NOTE
- X WINDOW OPENING
- 101 DOOR OPENING
- X X ROOM NAME ROOM NUMBER
- XX.X-X WALL TYPE SEE SHEET A001
- 10'-8" CEILING HEIGHT
- ? FINISH DESIGNATION



N Key Plan

PROJECT

Scale: N.T.S.

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: DIMENSION / NOTE PLAN - BASEMENT & LEVEL 1

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

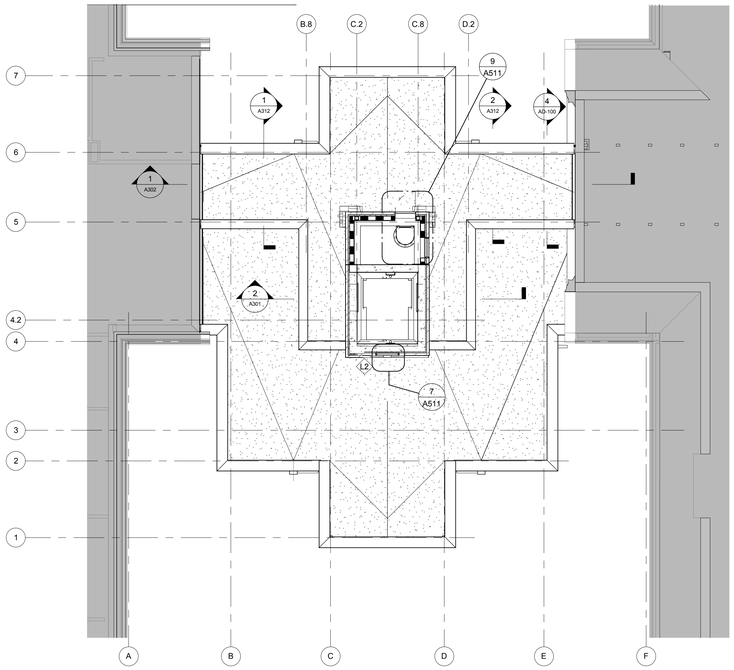
Building Number: 210/211

Drawing Number: A100-DN

Dwg.10 of 70

Office of Construction and Facilities Management

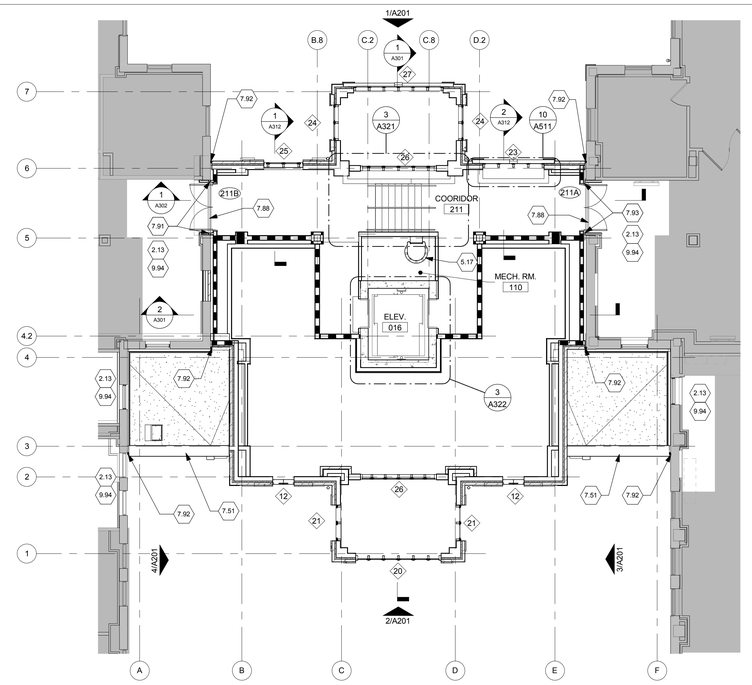
Department of Veterans Affairs



N 4 ATTIC - NOTE PLAN

PLAN

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



N 2 LEVEL 2 - NOTE PLAN

PLAN

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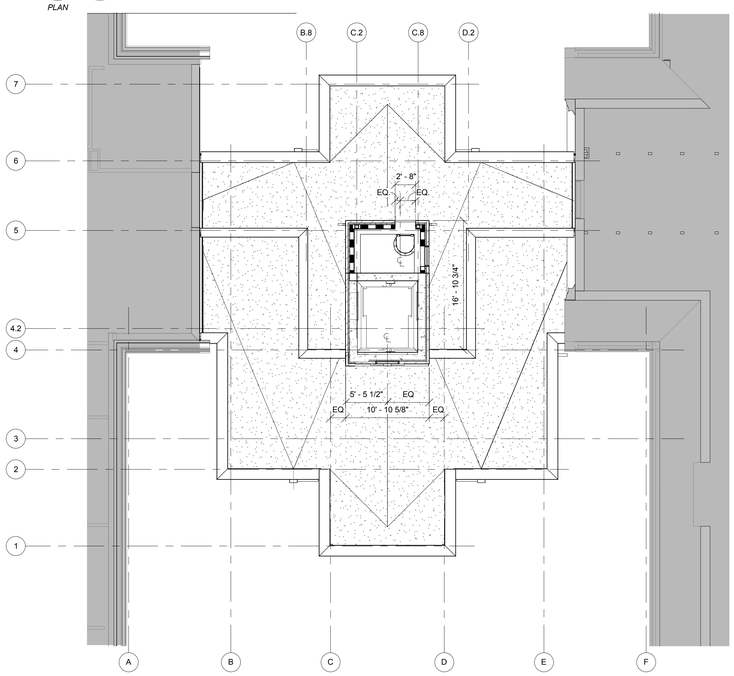
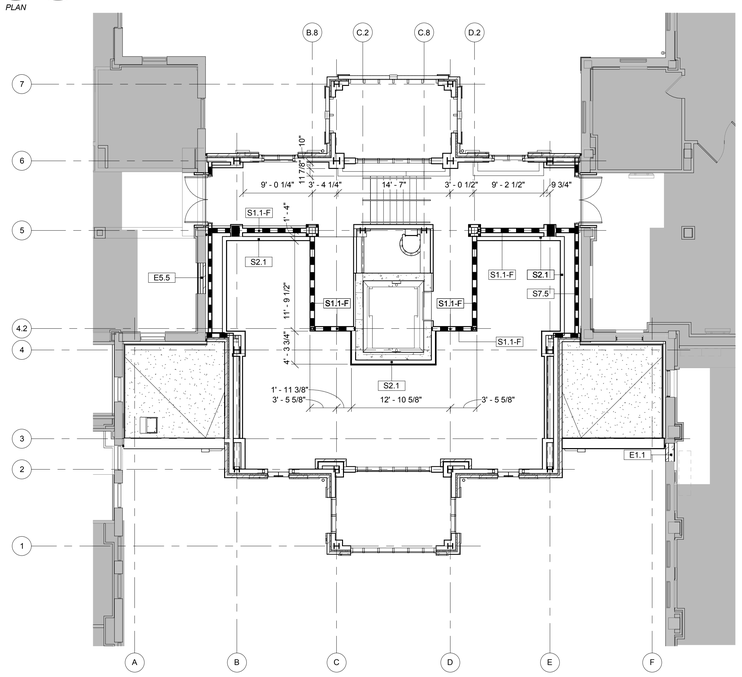


N 3 ATTIC - DIMENSION PLAN

PLAN

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



N 1 LEVEL 2 - DIMENSION PLAN

PLAN

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

GENERAL NOTES

- A All dimensions are taken to face of gypsum wallboard or unit masonry.
- B Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls.
- C Install fire retardant blocking at all wall mounted equipment, accessories, casework and wall- mounted door stops. Provide certificate of fire-retardant to the C.O.T.R. for approval.
- D All walls are type S1.0 unless noted otherwise. For partition types refer to Drawing A501.
- E Verify all conditions in the field prior to fabrication, erection and construction.
- F All gypsum board to be moisture resistant gypsum board behind all new sinks, drinking fountain, and water closet.
- G Provide accoustic batt insultion at interior partitions and thermal batt insulation at all new exterior wall construction.
- H Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.T.R. See General Requirements.
- J 100'-0" equals 703.15', contractor to verify floor to floor elevations in the field.
- K All asbestos containing material (ACM) must be abated per the direction of the C.O.T.R. and project specification 028213 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.
- L Finish floor elevation is considered 0'-0" for floor drain placement. All drains shall be at -0'-0 1/2" unless noted otherwise. Slope slab to drain. See Structural Drawings.
- M Cast stone arches will be self-supporting, Attachment will be designed by the cast stone manufacturer. See Structural Drawings.
- N Tooth in all new masonry into existing, match all existing conditions.

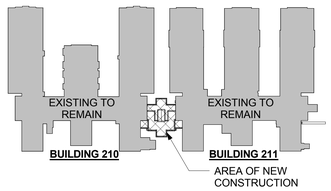
⬡ FLOOR PLAN NOTES

- 2.13 Coordinate exact limits of construction and phasing in the field with the C.O.T.R.
- 5.17 Fixed steel ladder with 1" diameter steel rungs @ 12" O.C. and steel safety cage. Height of safety cage to start 7'-2" A.F.F. Mount to wall and floor slab with steel angle brackets. Provide fire treated wood blocking per ladder manufacturer. Coordinate placement during wall construction.
- 7.51 Prefinished aluminum coping.
- 7.88 2" aluminum continuous 2 hour rated floor to floor expansion joint cover with continuous heavy duty centering plate. See Detail sheet. Typical in finished spaces.
- 7.91 2" aluminum continuous 2 hour wall to wall expansion joint cover. See detail plans.
- 7.92 Continuous 2" wall to wall exterior expansion joint cover with expandable seal.
- 7.93 2" aluminum continuous 2 hour wall to corner expansion joint cover.
- 9.94 Match all existing finishes this area. Coordinate with Phasing Plans.

1/A101	EXTERIOR ELEVATION
X	INTERIOR ELEVATION SEE 700 SERIES SHEETS
X / XXXX	SIM SECTION/DETAIL NUMBER DRAWING NUMBER
X	EQUIPMENT TAG
X	COLUMN GRID
?	NOTE
X	WINDOW OPENING
101	DOOR OPENING
X / X	ROOM NAME ROOM NUMBER
XX.X-X	WALL TYPE SEE SHEET A001
10'-8"	CEILING HEIGHT
?	FINISH DESIGNATION

GRAPHIC SYMBOLS

Scale: N.T.S.



N Key Plan

Scale: N.T.S.

PROJECT

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: DIMENSION / NOTE PLAN - LEVEL 2 & ATTIC

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

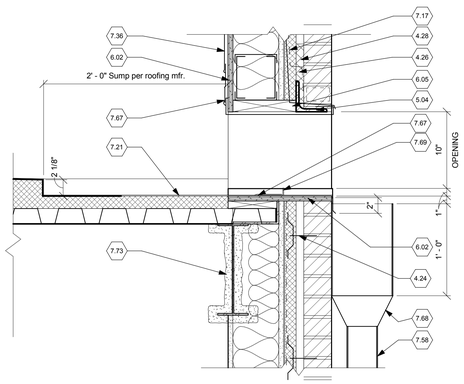
Building Number: 210/211

Drawing Number: A101-DN

Dwg.11 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



6 SCUPPER DETAIL
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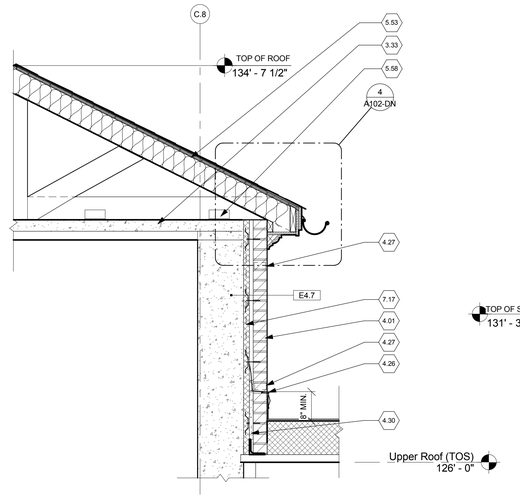

5 ROOF DETAIL
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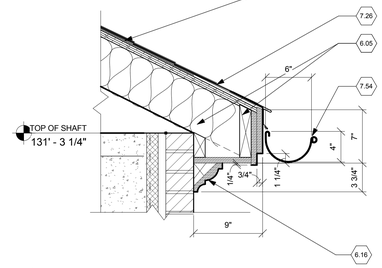

4 DETAIL
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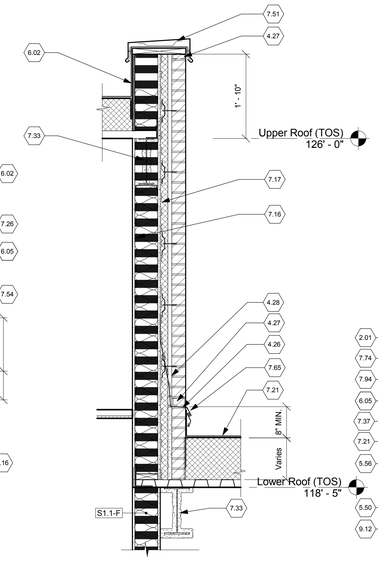

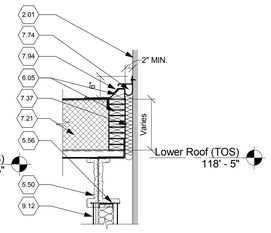

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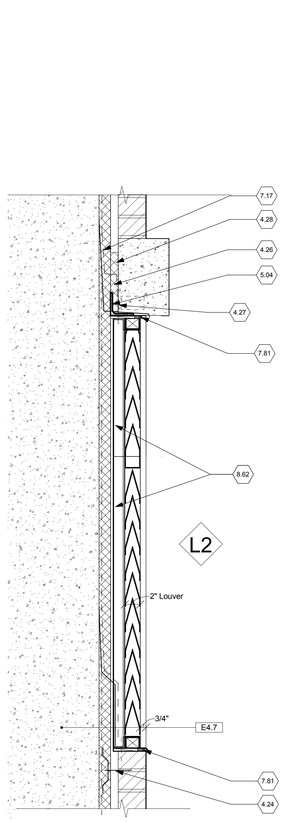
3 ROOF DETAIL
Scale: 3/4" = 1'-0"

2 ROOF DETAIL
Scale: 3/4" = 1'-0"



7 LOUVER SECTION
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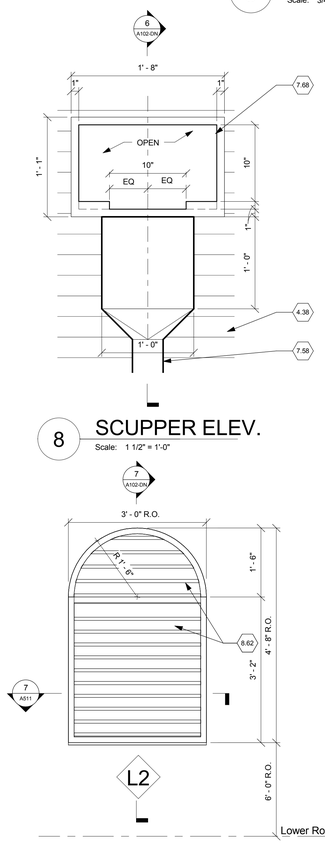
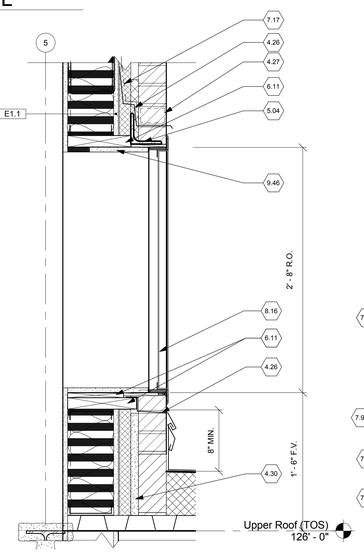


8 SCUPPER ELEV.
Scale: 1 1/2" = 1'-0"

LOUVER TYPES
Scale: 3/4" = 1'-0"



9 ACCESS DOOR SECTION
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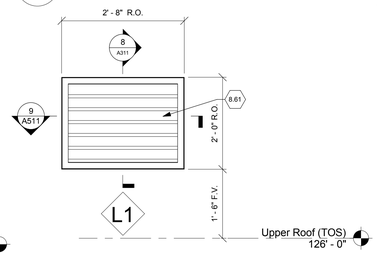
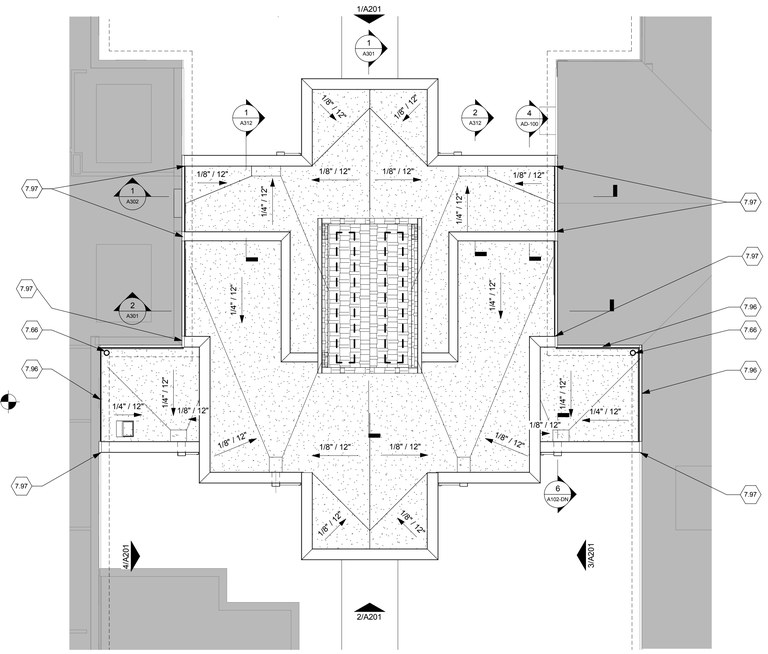




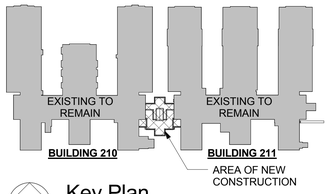
N PLAN 1 ROOF PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. All exterior wood surfaces to be painted Pure White SW-7005 or equal as approved by the COTR.
B. Weather-proofing at all new wall openings by HVAC Contractor.
C. Provide a minimum of 3 1/8" (R24) polyisocyanate insulation typical under EPDM roof membrane.
D. Provide 9 1/2" (R30) foil faced fiberglass batt insulation against underside of shingled roof deck.
E. Verify all conditions prior to fabrication, erection, and installation.
F. No membrane splices are allowed in or within 6 inches of the sump areas.

ROOF PLAN NOTES

2.01 Existing construction to remain.
3.33 5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
4.01 Brick veneer to match all existing conditions.
4.24 Adjustable masonry veneer anchors @ 16" o.c. vertical, 24" O.C. horizontal.
4.26 Continuous thru wall flashing.
4.27 Full joint weep/vent @ 24" o.c. horizontal.
4.28 Cavity drainage mesh.
4.30 Grout Solid, below flashing.
4.34 Cast stone cornice. See Detail 11/A311.
4.38 Brick veneer wall as scheduled.
5.04 Steel lintel, 8" bearing at ends minimum. See Lintel Schedule in Structural Drawings.
5.50 Structural steel beam with sprayed on fireproofing. See Structural Drawings.
5.53 6" Light guage metal truss at 16" O.C. See performance section of Structural CFMF Specifications 05 40 00. Final design by truss manufacturer.
5.56 Continuous 14 GA steel plate.
5.58 Clips per truss designer.
6.02 3/4" exterior grade plywood
6.05 Pressure treated 2x wood blocking.
6.11 Fire retardant treated blocking as required.
6.16 Crown moulding AWI # CRN-4004 to match existing profile.
7.16 Vapor barrier. Seal all joints and penetratons.
7.17 Air and moisture barrier. Lap air and moisture barrier over thru-wall flashing.
7.21 Fully adhered EPDM roof membrane on tapered rigid insulation, 3" min. base. Slope insulation 1/4" per foot. See Roof Plan.
7.26 New architectural asphalt shingles over ice and water shield underla\yment.
7.33 Sprayed on firestopping, both sides.
7.36 Extend membrane up back of parapet, over blocking and turn down exterior face of blocking.
7.37 Fiberglass batt insulation.
7.51 Prefinished aluminum coping.
7.54 Half round copper gutter and brackets install per all SMACNA requirements. Brackets @ 16" O.C.
7.58 4" dia. copper downspout.
7.65 Extending membrane up wall with continueous reglet cut in mortor joint, flashing & counterflashing.
7.66 Existing copper downspout. Cut to length and redirect to lower roof as shown. See Civil Drawings.
7.67 Welded seam
7.68 Copper scupper with conductor head, per SMACNA figure 1-26.
7.69 Gravel stop
7.73 Spray applied fireproofing.
7.74 Manufacturer's integral vapor barrier and fire-stop system rated the same as the expansion joint assembly.
7.81 Continuous sealant over backer rod.
7.94 Inverted roof membrane, with Intergral flexible water barrier.
7.96 Roof to wall expansion joint, see detal 2/A102.
7.97 Coping expansion at expansion joint by coping manufacturer.
8.16 32" x 32" exterior steel access door. See detail 9/A511.
8.61 Prefinished aluminum louver with intergral bird / insect screen. See Mechanical Drawings.
8.62 Prefinished aluminum siteproof louver with insulated blank off panel. 2" deep"
9.12 4" metal shaft-wall C-H framing @ 24" o.c..
9.46 5/8" Type "X" gypsum board.



N PROJECT Key Plan
Scale: N.T.S.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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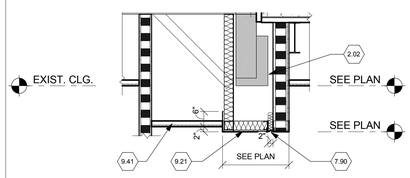
Drawing Title: ROOF PLAN /DETAILS
Approved: Project Director

Project Title: CLC Common Area Connector
Location: Chillicothe, Ohio
Date: NOVEMBER 13, 2013
Checked: WS
Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00
Building Number: 210/211
Drawing Number: A102-DN
Dwg.12 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs



7 TYPICAL SOFFIT AT EXPANSION JT.

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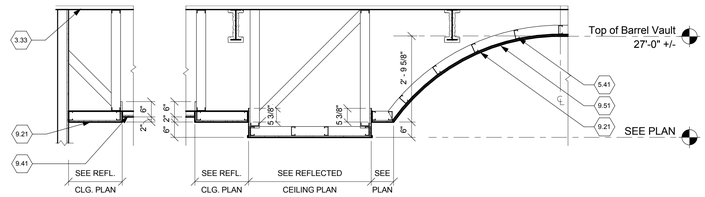
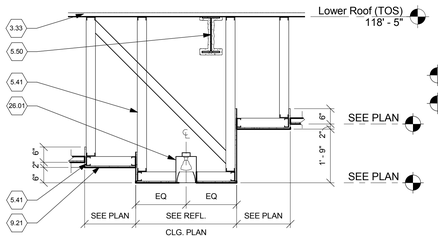


5 CEILING SOFFIT DETAIL

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



6 CEILING SOFFIT DETAIL

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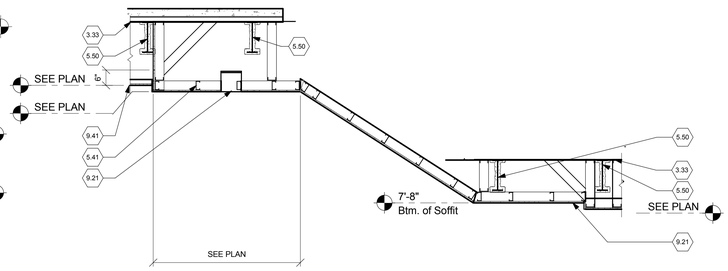

4 CEILING SOFFIT DETAIL

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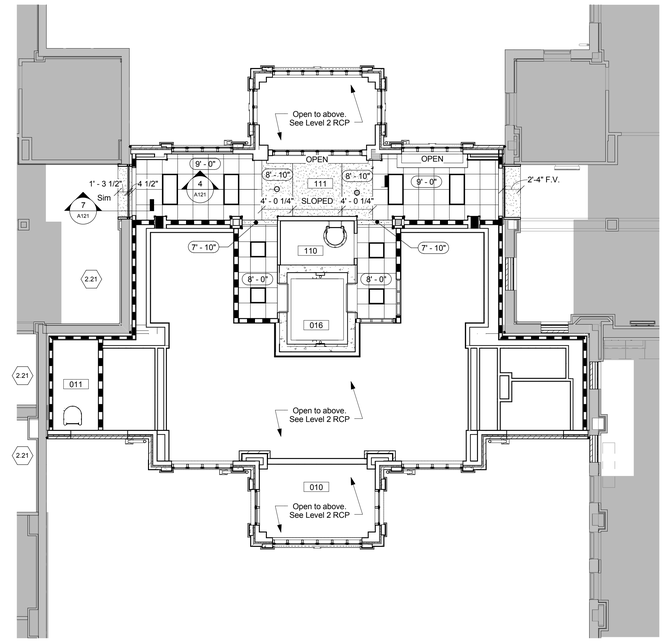


N PLAN 2 LEVEL 1 - REFLECTED CEILING PLAN

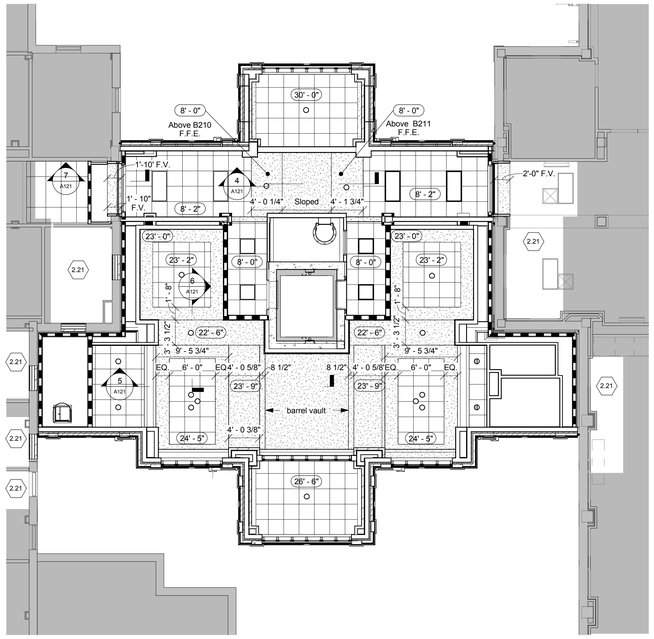
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. All wood blocking shall be fire retardant.
B. Light fixtures, sprinkler heads, speakers, and HVAC devices shall be located as close as possible to the center of acoustical ceiling panels. Confirm any deviation from this with the Project Engineer.
C. See P, M, E and FP drawings for additional information regarding final information and quantites of fixtures/devices to be installed in ceiling.
D. See Electrical Drawings for lighting specifications.
E. All gypsum board ceilings to be painted P-7 unless noted otherwise.
F. Ceiling height to be 8'-0" AFF, unless noted otherwise.
G. All suspended acoustical ceilings are to be type ACT-1 unless noted otherwise.

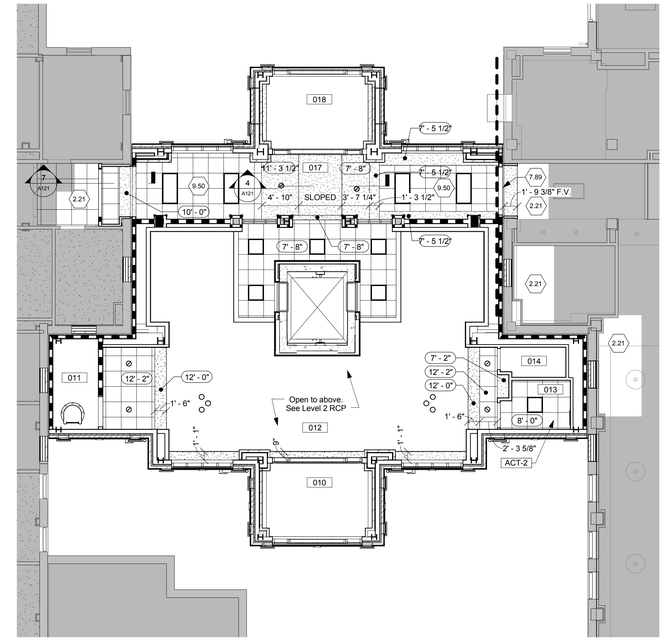
⬡ REFLECTED CEILING PLAN NOTES

2.02 Existing structure to remain.
2.21 Remove existing ceiling 8 foot into existing space. Return ceiling tiles to the owner. Provide new ceiling tiles at the conclusion of construction. Verify the condition of the existing ceiling grid with the COTR prior to beginning construction.
2.22 Remove portion of existing ceiling to create new soffit.
3.33 5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
5.41 3 5/8" metal stud framing.
5.50 Structural steel beam with sprayed on fireproofing. See Structural Drawings.
7.89 2" aluminum continuous 2 hour ceiling to wall expansion joint cover.
7.90 2" aluminum continuous ceiling to ceiling expansion joint system with continuous aluminum frame and seal.
9.21 5/8" Type X gypsum board. See wall types.
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.50 Ceiling varies. Refer to building sections and ceiling details.
9.51 Intention is for top of barrel vault to follow radius of window. If there are any questions contact the COTR.
26.01 Light fixture. See Electrical Drawings.



N PLAN 3 LEVEL 2 - REFLECTED CEILING PLAN

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

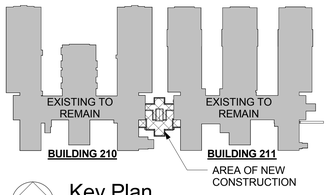


N PLAN 1 BASEMENT - REFLECTED CEILING PLAN

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

REFLECTED CEILING PLAN LEGEND

- Recessed downlight fixture
- 2' x 4' fluorescent fixture
- 2' x 2' acoustical tile ceiling
- Gypsum board / portland cement plaster ceiling / soffit - painted
- Pendant light fixture
- Surface-mounted strip light fixture
- Supply Air Diffuser
- Return Air Grille
- Chain-hung light fixture
- Access panel
- Recessed wall-wash fixture



N PROJECT Key Plan

Scale: N.T.S.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
JOHN A POE
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ARCHITECT/ENGINEERS:

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Drawing Title: REFLECTED CEILING PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

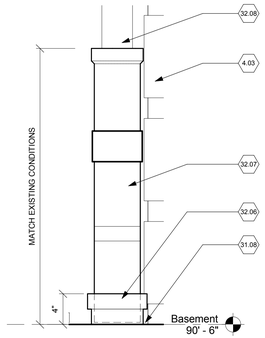
Building Number: 210/211

Drawing Number: A121

Dwg.13 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



7 DOWNSPOUT BOOT
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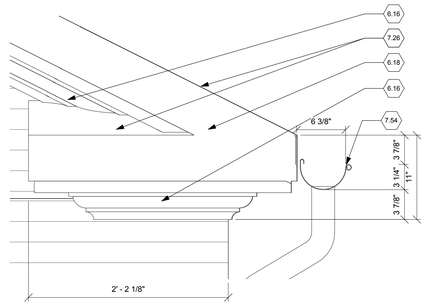

6 CORNICE DETAIL
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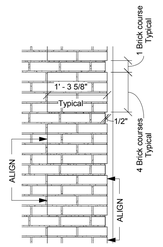
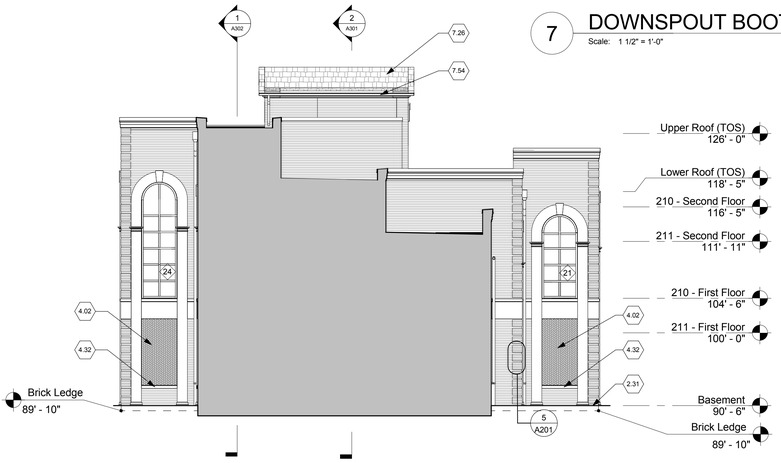


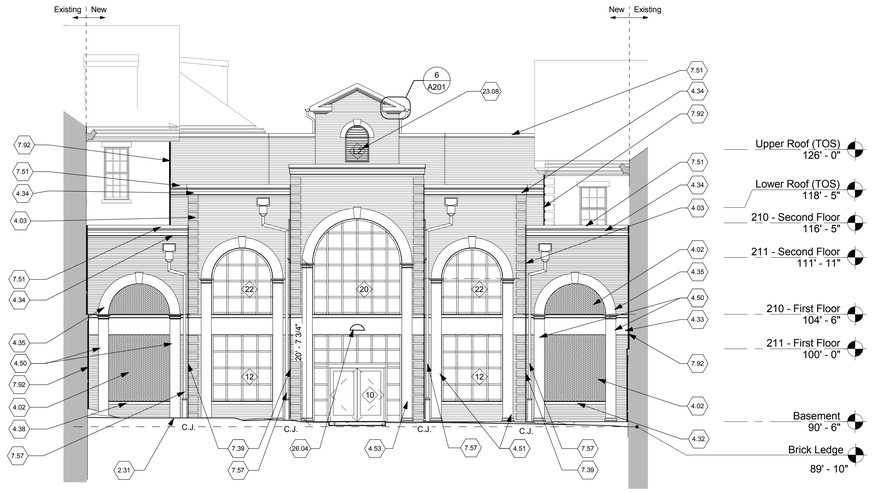
5 Quion Detail
Scale: 3/4" = 1'-0"

GENERAL NOTES

A. Verify all conditions prior to fabrication, erection, and installation.
B. See Structural Drawings for depth of foundations, footings, column sizes, and locations.
C. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COTR or Architect regarding discrepancies.
D. For extent of demolition at building exterior, see sheet G200 and AD-100.
E. All brick ledge elevations are to be at 16" be 16" below finish grade. Contractor shall verify actual conditions in the field and contact the COTR prior tpo forming brick ledge.
F. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or approved equal.
G. Seal all joints between finish materials and bottom of door frames.
H. Cast stone arches will be self-supporting, Attachment will be designed by the cast stone manufacturer. See Structural Drawings.



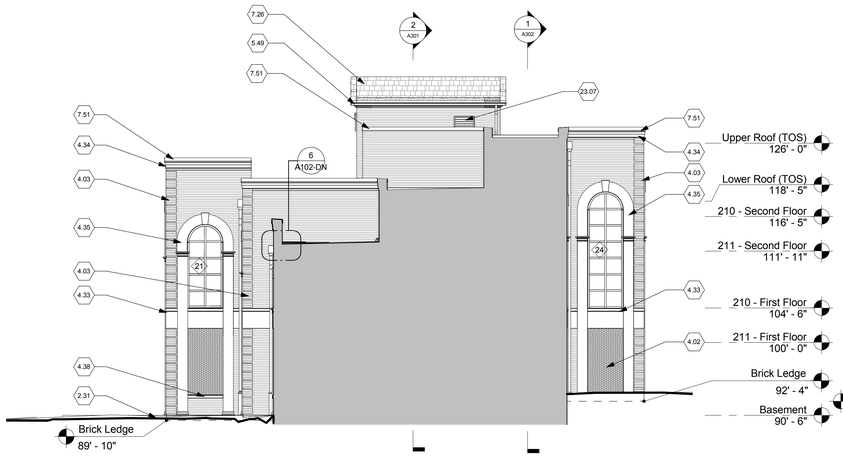
4 WEST EXTERIOR ELEVATION
Scale: 1/8" = 1'-0"



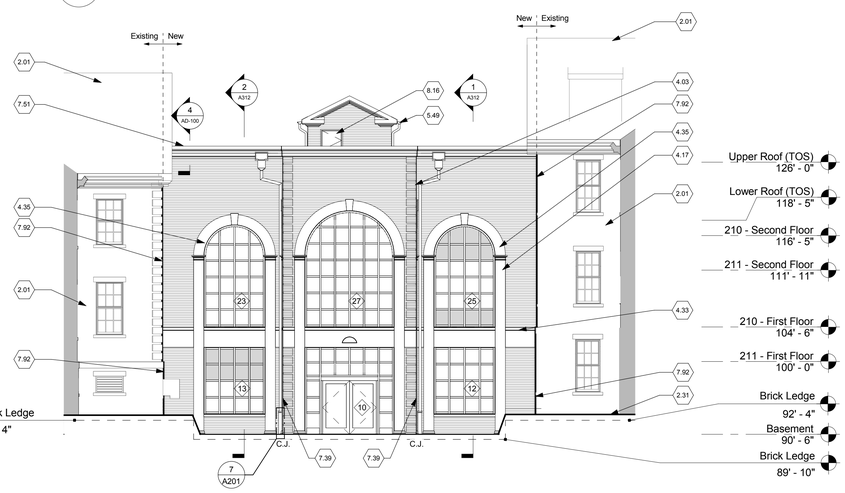
2 SOUTH EXTERIOR ELEVATION
Scale: 1/8" = 1'-0"

ELEVATION NOTES

2.01 Existing construction to remain.
2.31 Finish grading. See Civil Drawings.
4.01 Brick veneer to match all existing conditions.
4.02 Harringbone pattern, brick veneer to match existing color and texture.
4.03 Brick quions, brick veneer to match existing conditions. Refer to exterior elevations.
4.17 Cast stone pilaster, refer to cast stone details.
4.32 Cast stone sill.
4.33 Cast stone band. See Detail 10/A311.
4.34 Cast stone cornice. See Detail 11/A311.
4.35 Self supporting cast stone arch with keystone. Cast stone manufacturer to provide laterial tie embeds. See Structural Drawings.
4.38 Brick veneer wall as scheduled.
4.50 Cast stone pilaster "A", see sheet A501.
4.51 Cast stone pilaster "B", see sheet A501.
4.53 Cast stone pilaster "D", see sheet A501.
5.49 Half round copper gutter and downspout.
6.16 Crown moulding AWI # CRN-4004 to match existing profile.
6.18 3/4" Exterior grade wood trim.
7.26 New architectural asphalt shingles over ice and water shield underla\yment.
7.39 Control joint. See Detail 2 on Sheet A511.
7.51 Prefinished aluminum coping.
7.54 Half round copper gutter and brackets install per all SMACNA requirements. Brackets @ 16" O.C.
7.57 Copper scupper and downspout, refer to roof details.
7.92 Continuous 2" wall to wall exterior expansion joint cover with expandable seal.
8.16 32" x 32" exterior steel access door. See detail 9/A511.
23.07 Mechanical louver. See Louver Schedule.
23.08 Architectural louver. See Louver Schedule.
26.04 Exterior lighting. See Electrical Drawings.
31.08 Finish grade. See Civil Drawings.
32.06 Drainpipe. See Civil Drawings.
32.07 Cast iron downspout boot. Coordinate location in the field with downspout location. Match existing conditions.
32.08 Brackets as required.



3 EAST EXTERIOR ELEVATION
Scale: 1/8" = 1'-0"



1 NORTH EXTERIOR ELEVATION
Scale: 1/8" = 1'-0"

KEY LEGEND

NEW WALLS
EXISTING TO REMAIN

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: EXTERIOR ELEVATIONS
Approved: Project Director

Project Title: CLC Common Area Connector
Location: Chillicothe, Ohio
Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00
Building Number: 210/211
Drawing Number: A201
Dwg.14 of 70

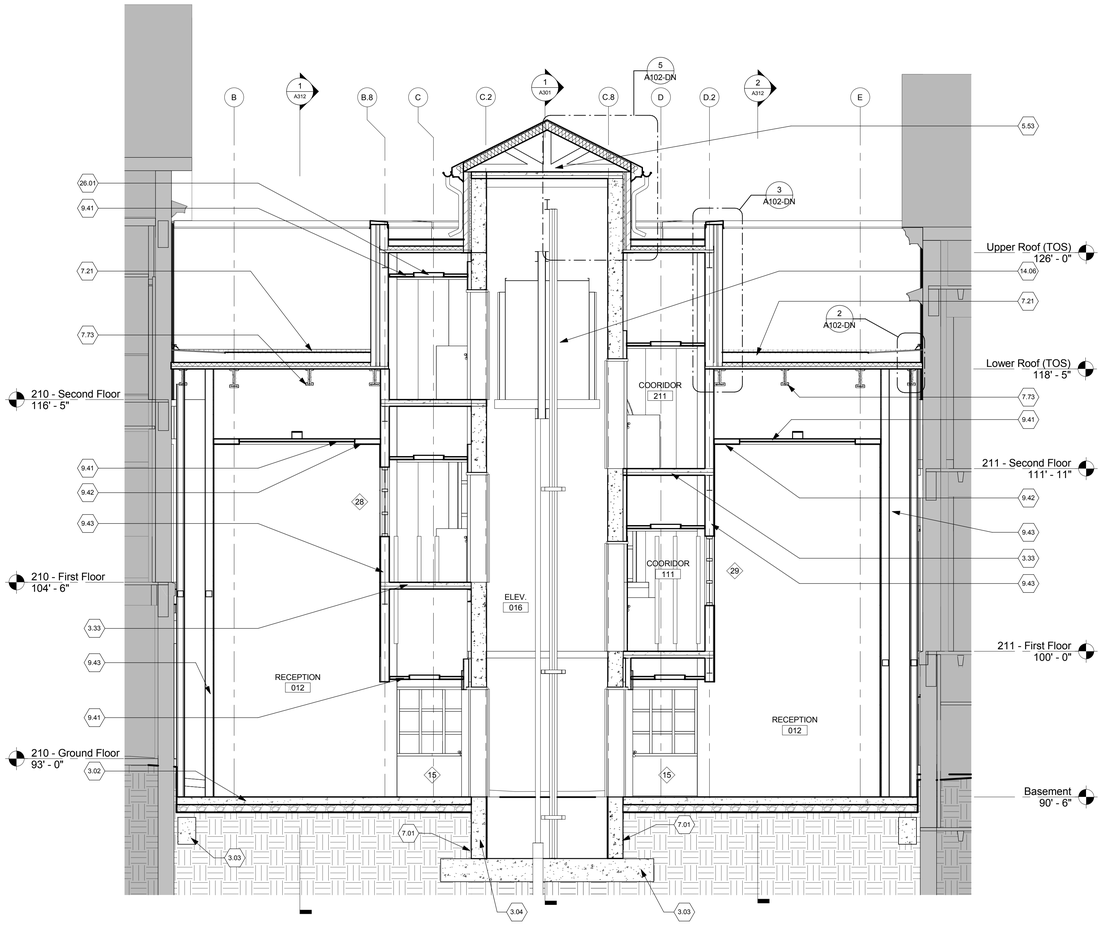
Office of Construction and Facilities Management
Department of Veterans Affairs

⬡ BUILDING SECTION NOTES

3.02	6" reinforced concrete slab on grade. See Structural Drawings.
3.03	Concrete footing. See Structural Drawings.
3.04	Concrete foundation wall. See Structural Drawings.
3.33	5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
3.37	New concrete tunnel. Verify all elevations and enpoints in the field prior to beginning construction. See Structural Drawings
4.38	Brick veneer wall as scheduled.
5.01	Structural steel frame. See Structural Drawings.
5.17	Fixed steel ladder with 1" diameter steel rungs @ 12" O.C. and steel safety cage. Height of safety cage to start 7'-2" A.F.F. Mount to wall and floor slab with steel angle brackets. Provide fire treated wood blocking per ladder manufacturer. Coordinate placement during wall construction.
5.27	Steel stair with concrete-filled steel pan treads and steel plate risers. Assembly shall include integral handrails and pipe column supports.
5.44	Steel relief angle mounted 13'-6" AFF, three side of shaft. Secure to elevator shaft. See Structural Drawings.
5.53	6" Light guage metal truss at 16" O.C. See performance section of Structural CFMF Specifications 05 40 00. Final design by truss manufacturer.
6.15	Provide 2X6 fire treated wood blocking between studs for future electronic signage, length as shown. Secure to concrete elevator shaft with 3/4' expansion bolts at 12 " O.C. with 6" embedment. Minimum two bolts per section of blocking. Provide blocking from stud to stud. Mount three groups blocking at 14, 15 and 16 feet above the floor. Verify location with COTR prior to mounting blocking and coordinate location with junction box to be installed in this project.
7.01	[Bituminous sheet / fluid applied / etc.] waterproofing.
7.21	Fully adhered EPDM roof membrane on tapered rigid insulation, 3" min. base. Slope insulation 1/4" per foot. See Roof Plan.
7.73	Spray applied fireproofing.
8.31	7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
9.41	Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.42	5/8" Type "X" gypsum board soffit.
9.43	Gypsum wall partition as scheduled.
14.06	New Elevator system by elevator manufacturer.
26.01	Light fixture. See Electrical Drawings.

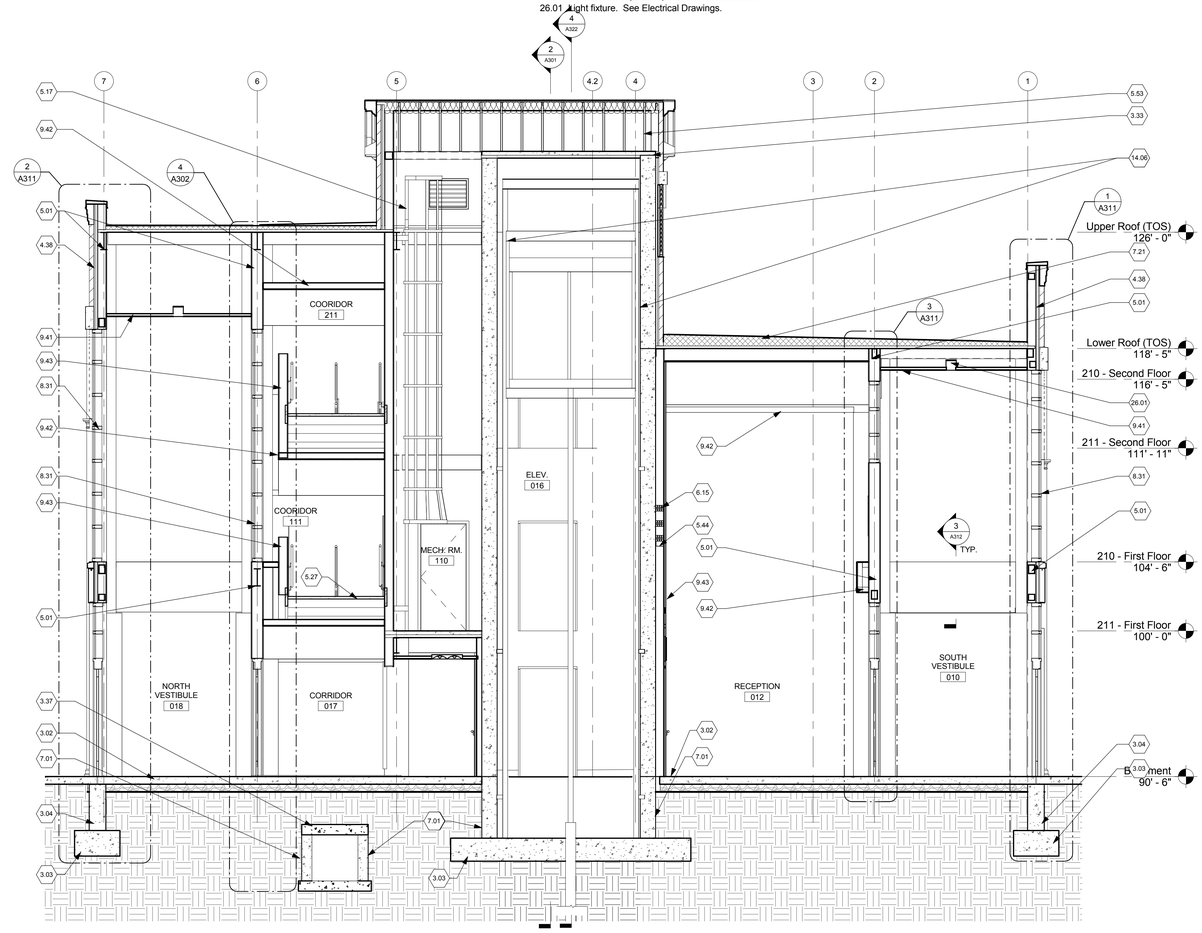
SECTION GENERAL NOTES

A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.



2 BUILDING SECTION

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



1 BUILDING SECTION

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

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: BUILDING SECTIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

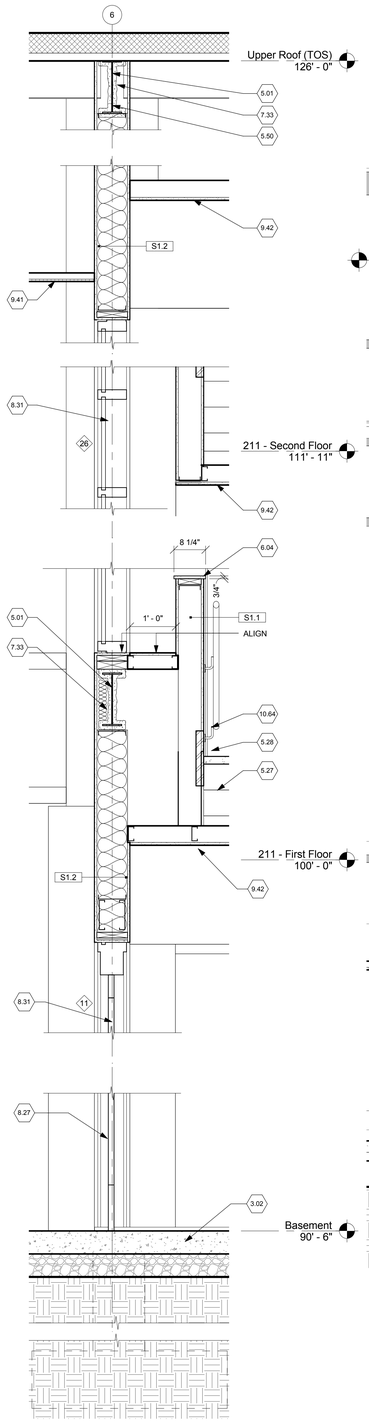
Building Number: 210/211

Drawing Number: A301

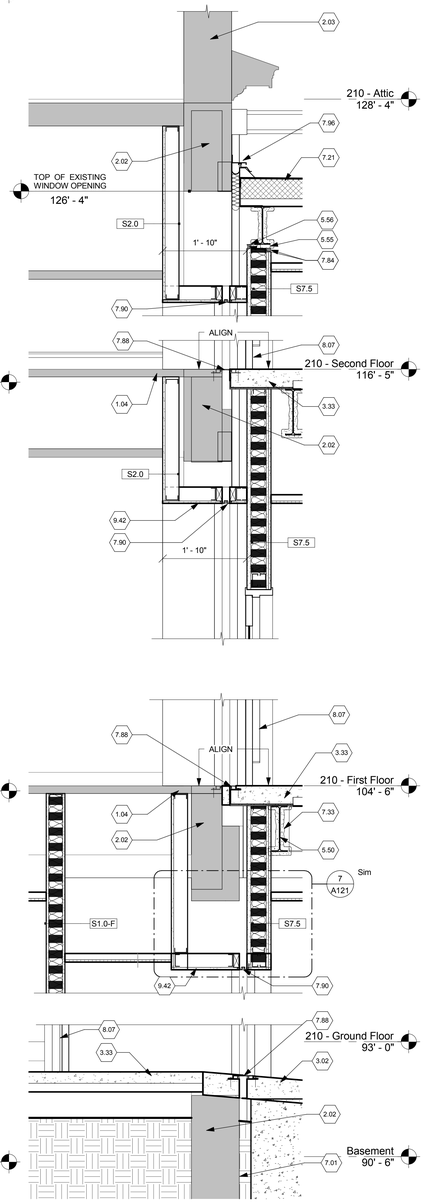
Dwg.15 of 70

Office of Construction and Facilities Management

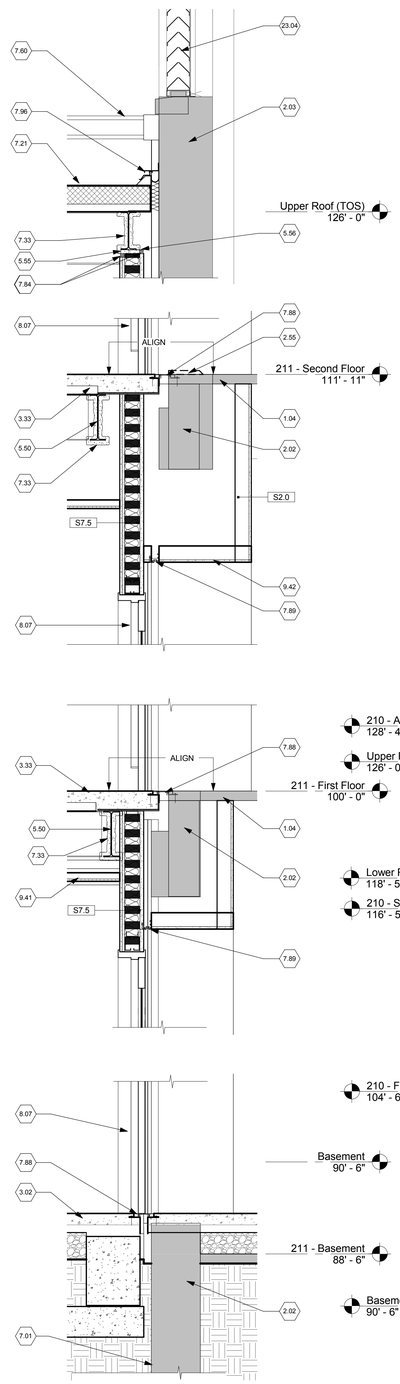
Department of Veterans Affairs



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



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



2 WALL SECTION
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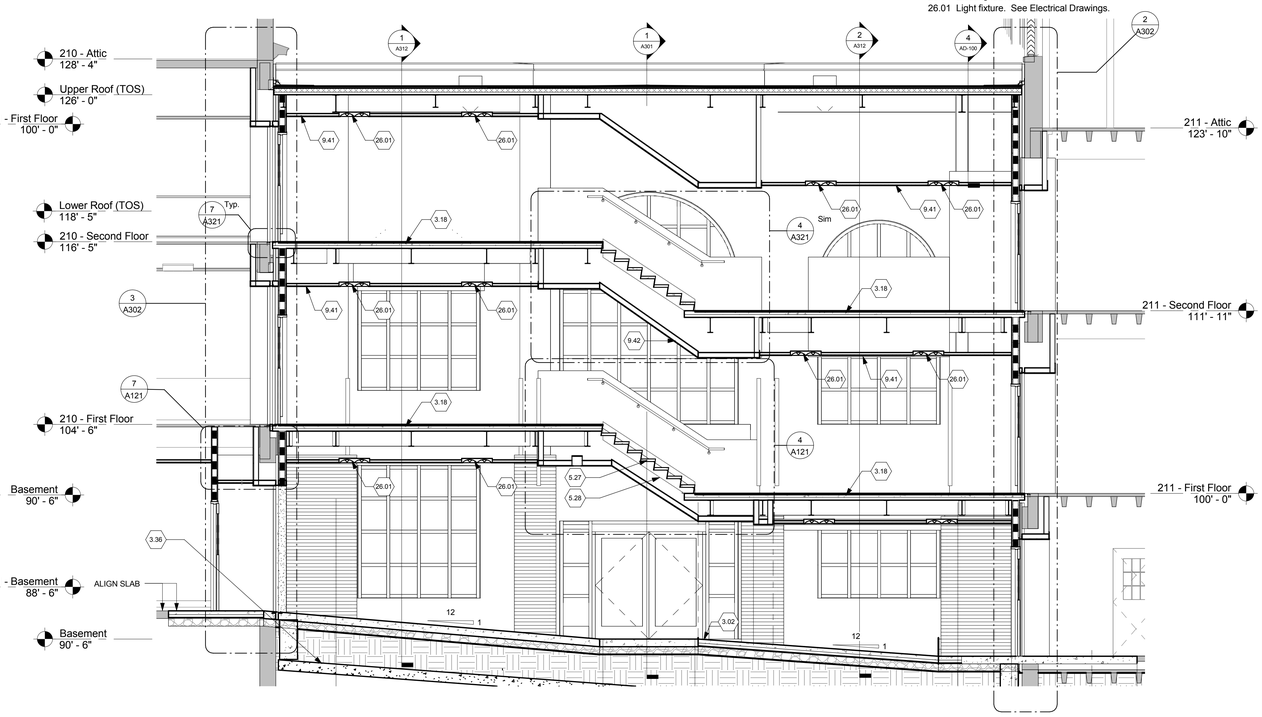

1 BUILDING SECTION
Scale: 1/4" = 1'-0"

SECTION GENERAL NOTES

A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.

⬡ SECTION NOTES

1.04 Existing 2 hour rated pan joist slab/construction.
2.02 Existing structure to remain.
2.03 Existing wall to remain.
2.55 Remove built-up concrete floor. Existing slab to be flat and level to accept new floor finishes.
3.02 6" reinforced concrete slab on grade. See Structural Drawings.
3.18 Composite concrete deck 2 hour rated U.L. # D916. See Structural Drawings.
3.33 5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
3.36 Top of new tunnel. Provide sheet membrane waterproofing on sides and top of new tunnel. See Structural Drawings.
5.01 Structural steel frame. See Structural Drawings.
5.27 Steel stair with concrete-filled steel pan treads and steel plate risers. Assembly shall include integral handrails and pipe column supports.
5.28 Steel stringer by stair manufacturer.
5.50 Structural steel beam with sprayed on fireproofing. See Structural Drawings.
5.55 Z-clip attached to beam before fireproofing @ 24" O.C.
5.56 Continuous 14 GA steel plate.
6.04 Solid surface cap installed @ top of wall. Countersink screws and plug holes with same material.
7.01 [Bituminous sheet / fluid applied / etc.] waterproofing.
7.21 Fully adhered EPDM roof membrane on tapered rigid insulation, 3" min. base. Slope insulation 1/4" per foot. See Roof Plan.
7.33 Sprayed on firestopping, both sides.
7.60 New parapet beyond.
7.84 Acoustic sealant.
7.88 2" aluminum continuous 2 hour rated floor to floor expansion joint cover with continuous heavy duty centering plate. See Detail sheet. Typical in finished spaces.
7.89 2" aluminum continuous 2 hour ceiling to wall expansion joint cover.
7.90 2" aluminum continuous ceiling to ceiling expansion joint system with continuous aluminum frame and seal.
7.96 Roof to wall expansion joint, see detal 2/A102.
8.07 New door & frame. See Door Schedule.
8.27 6" Aluminum storefront window system.
8.31 7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.42 5/8" Type "X" gypsum board soffit.
10.64 Continuous resilient handrail, see Finish Schedule.
23.04 Existing louver to remain.
26.01 Light fixture. See Electrical Drawings.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: BUILDING SECTIONS / WALL SECTIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checker: WS | Drawer: MA/VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

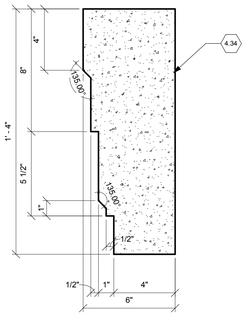
Building Number: 210/211

Drawing Number: A302

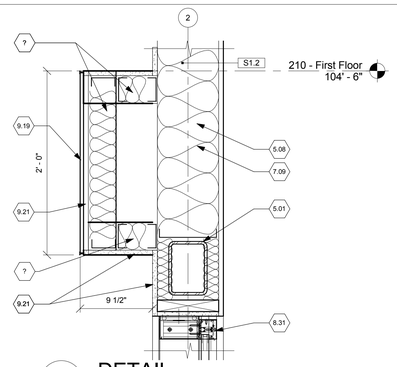
Dwg.16 of 70

Office of Construction and Facilities Management

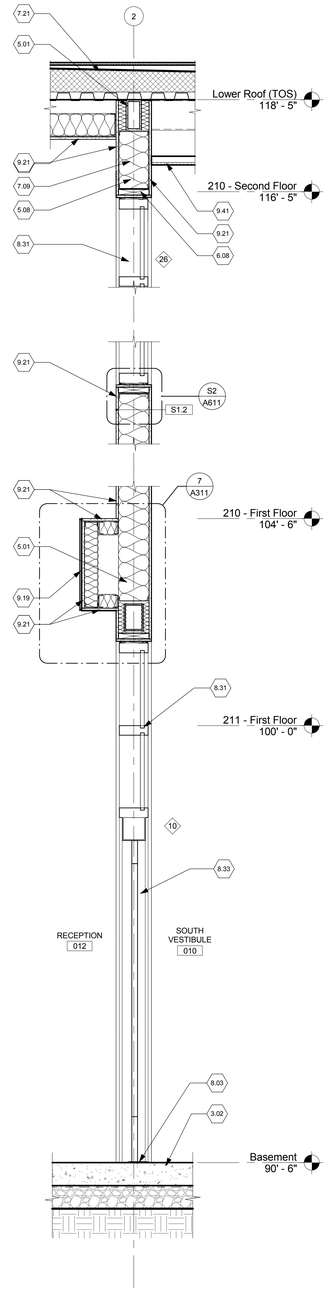
Department of Veterans Affairs



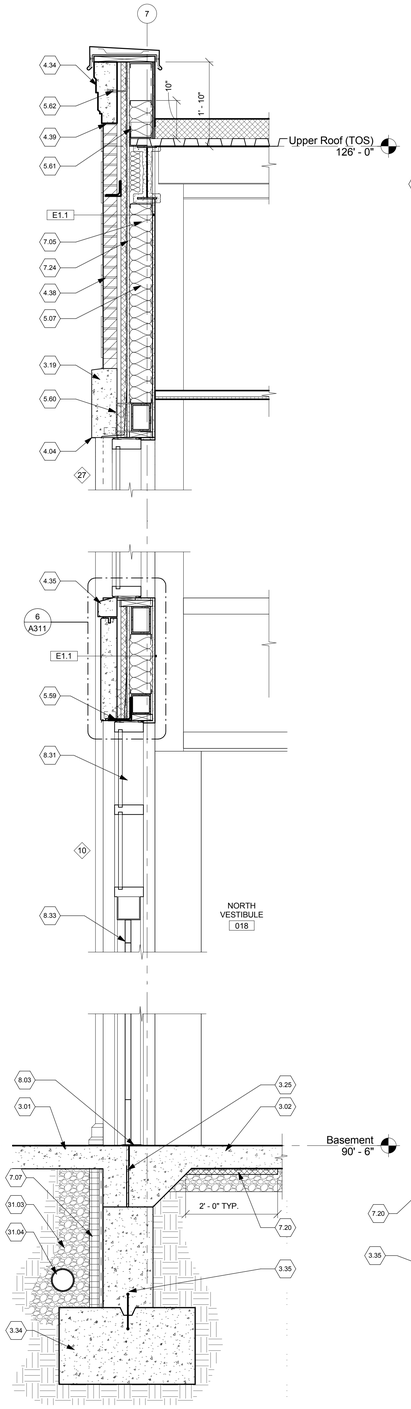
11 TYP. CORNICE DETAIL
Scale: 3" = 1'-0" Attachment per cast stone manufacturer.



7 DETAIL
Scale: 1 1/2" = 1'-0"



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



2 WALL SECTION
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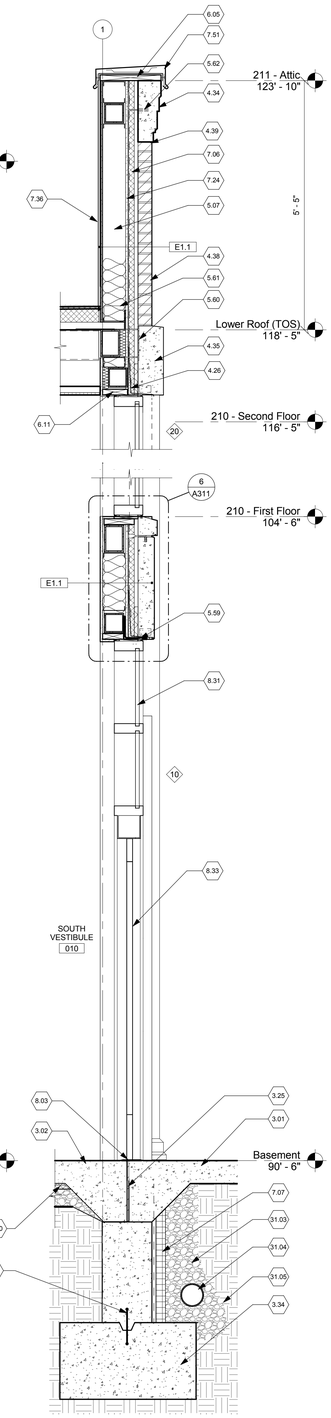


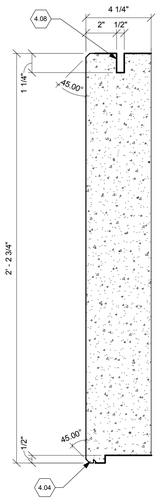
1 WALL SECTION
Scale: 3/4" = 1'-0"

SECTION GENERAL NOTES

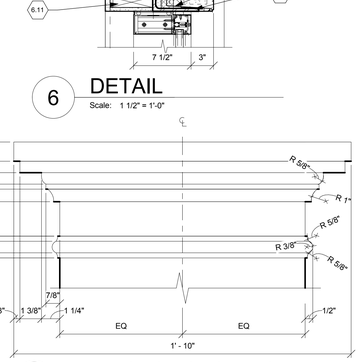
A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.

○ SECTION NOTES

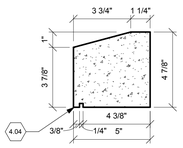
3.01 Concrete walk. See Civil Drawings.
3.02 6" reinforced concrete slab on grade. See Structural Drawings.
3.19 Cast stone arch and keystone.
3.25 1/2" expansion material.
3.34 Concrete footing. See Structural Drawings.
3.35 Continuous waterstop.
4.04 Formed drip edge.
4.08 Continous anchor slot, by the cast stone manufacturer.
4.17 Cast stone pilaster, refer to cast stone details.
4.26 Continuous thru wall flashing.
4.27 Full joint weep/vent @ 24" o.c. horizontal.
4.28 Cavity drainage mesh.
4.32 Cast stone sill.
4.33 Cast stone band. See Detail 10/A311.
4.34 Cast stone cornice. See Detail 11/A311.
4.35 Self supporting cast stone arch with keystone. Cast stone manufacturer to provide laterial tie embeds. See Structural Drawings.
4.38 Brick veneer wall as scheduled.
4.39 Backer rod and caulk "soft joint".
5.01 Structural steel frame. See Structural Drawings.
5.04 Steel lintel, 8" bearing at ends minimum. See Lintel Schedule in Structural Drawings.
5.07 6" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.08 8" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.52 Structural steel tube. See Structural Drawings.
5.59 6" Steel angle bolted to structure, provide 3/4" bolts at 3'-0" O.C. See Structural Drawings.
5.60 Lateral tie embeds per cast stone manufacturer. Connect tie back to structural brace. See Structural Drawings.
5.61 Provide rigid clip connector at base metal studs, secure to structural steel deck.
5.62 Cast stone tie per cast stone manufacturer.
6.05 Pressure treated 2x wood blocking.
6.08 2x8 wood stud.
6.11 Fire retardant treated blocking as required.
7.05 6" batt insulation, R-21 min.
7.06 1 1/2" rigid insulation, R= 7.5 min.
7.07 2" rigid insulation with drainage channels.
7.09 8" batt insulation.
7.17 Air and moisture barrier. Lap air and moisture barrier over thru-wall flashing.
7.20 2" rigid insulation.
7.21 Fully adhered EPDM roof membrane on tapered rigid insulation, 3" min. base. Slope insulation 1/4" per foot. See Roof Plan.
7.24 5/8" exterior gypsum sheathing, See specifications.
7.36 Extend membrane up back of parapet, over blocking and turn down exterior face of blocking.
7.51 Prefinished aluminum coping.
7.81 Continuous sealant over backer rod.
8.03 Aluminum door threshold.
8.31 7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
8.33 Low energy automatic aluminum door assembly. See Door Schedule.
8.61 Prefinished aluminum louver with intergral bird / insect screen. See Mechanical Drawings.
8.63 Sill & flashing per the louver manufacturer.
9.02 3 5/8" non-structural metal framing @ 16" o.c.
9.19 Wood veneer panel.
9.21 5/8" Type X gypsum board. See wall types.
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.46 5/8" Type "X" gypsum board.
31.03 Clean gravel fill.
31.04 Perimeter perforated foundation drain tile. Tie into storm system. See Civil Plans.
31.05 Filter fabric for drainage tile.



10 TYP. BAND DETAIL
Scale: 3" = 1'-0" Attachment per cast stone manufacturer.

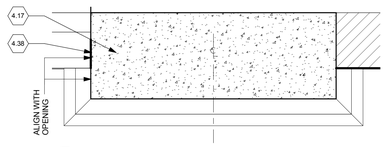


5 TYP. CAST STONE CAPITAL DTL.
Scale: 3" = 1'-0"

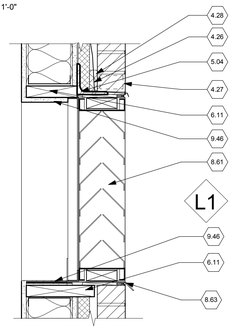


9 TYP. SILL PROFILE
Scale: 3" = 1'-0"

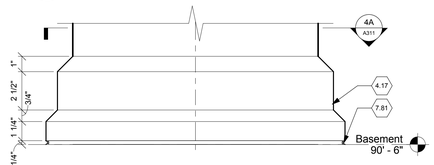
6 DETAIL
Scale: 1 1/2" = 1'-0"



4A SECTION THRU PILASTER
Scale: 3" = 1'-0"



8 WALL SECTION @ LOUVER
Scale: 1 1/2" = 1'-0"



4 TYP. BASE DETAIL
Scale: 3" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

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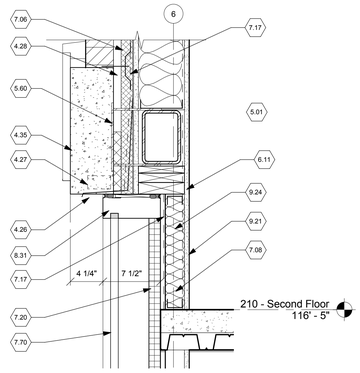
Drawing Title: WALL SECTIONS
Approved: Project Director

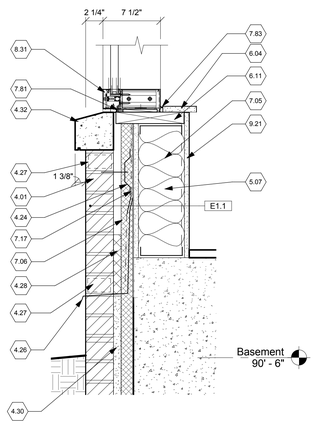
Project Title: CLC Common Area Connector
Location: Chillicothe, Ohio
Date: NOVEMBER 13, 2013
Checked: WS
Drawn: MA/VR

Project No.: VA Project No. 538-CSI-301 / JPA Project No. 12019.00
Building Number: 210/211
Drawing Number: A311
Dwg.17 of 70

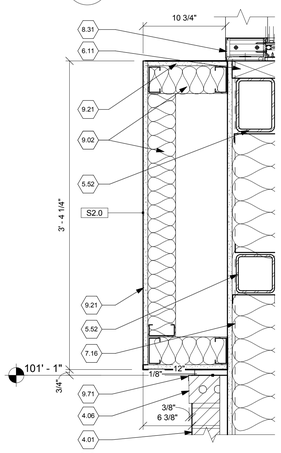
Office of Construction and Facilities Management
Department of Veterans Affairs



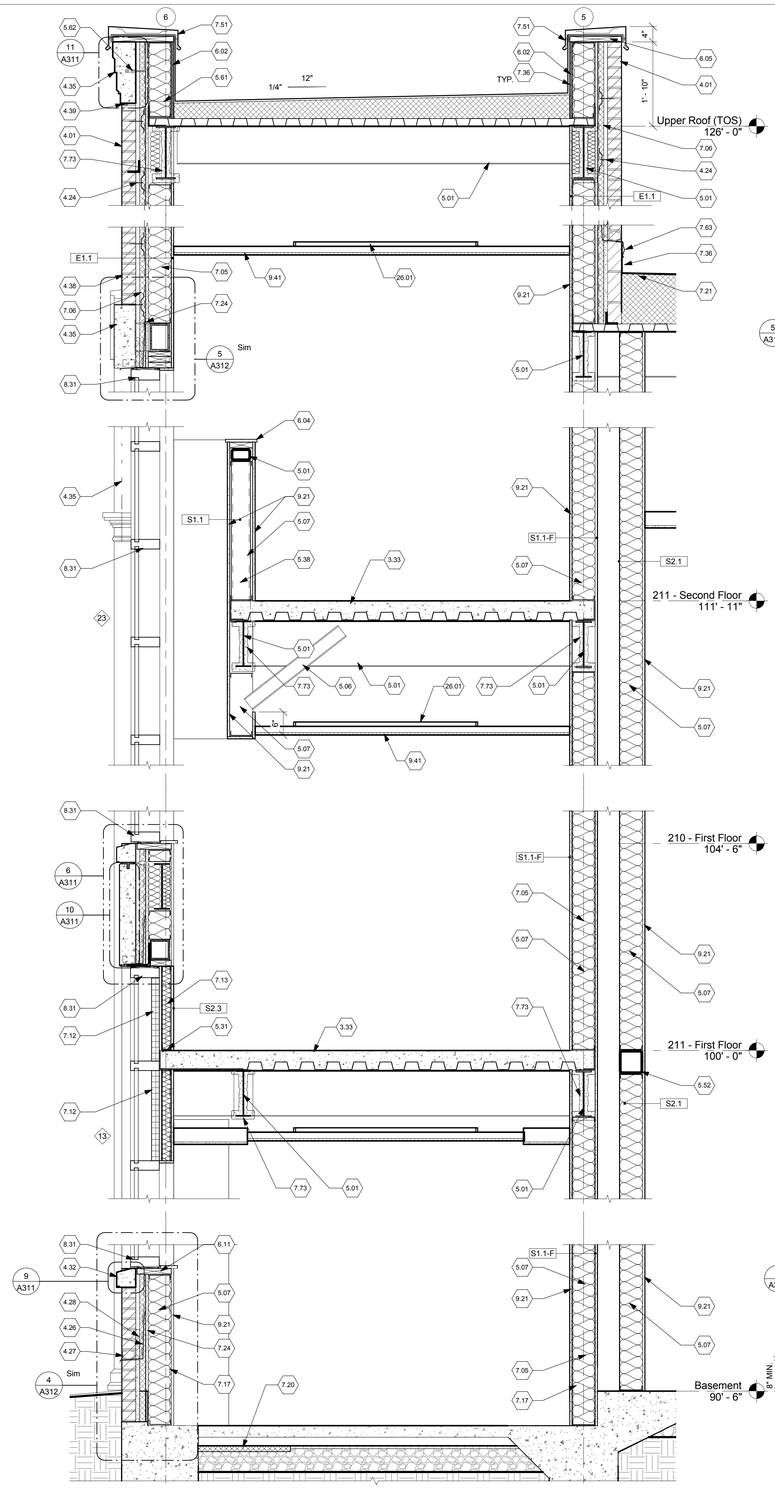
5 DETAIL
Scale: 1 1/2" = 1'-0"



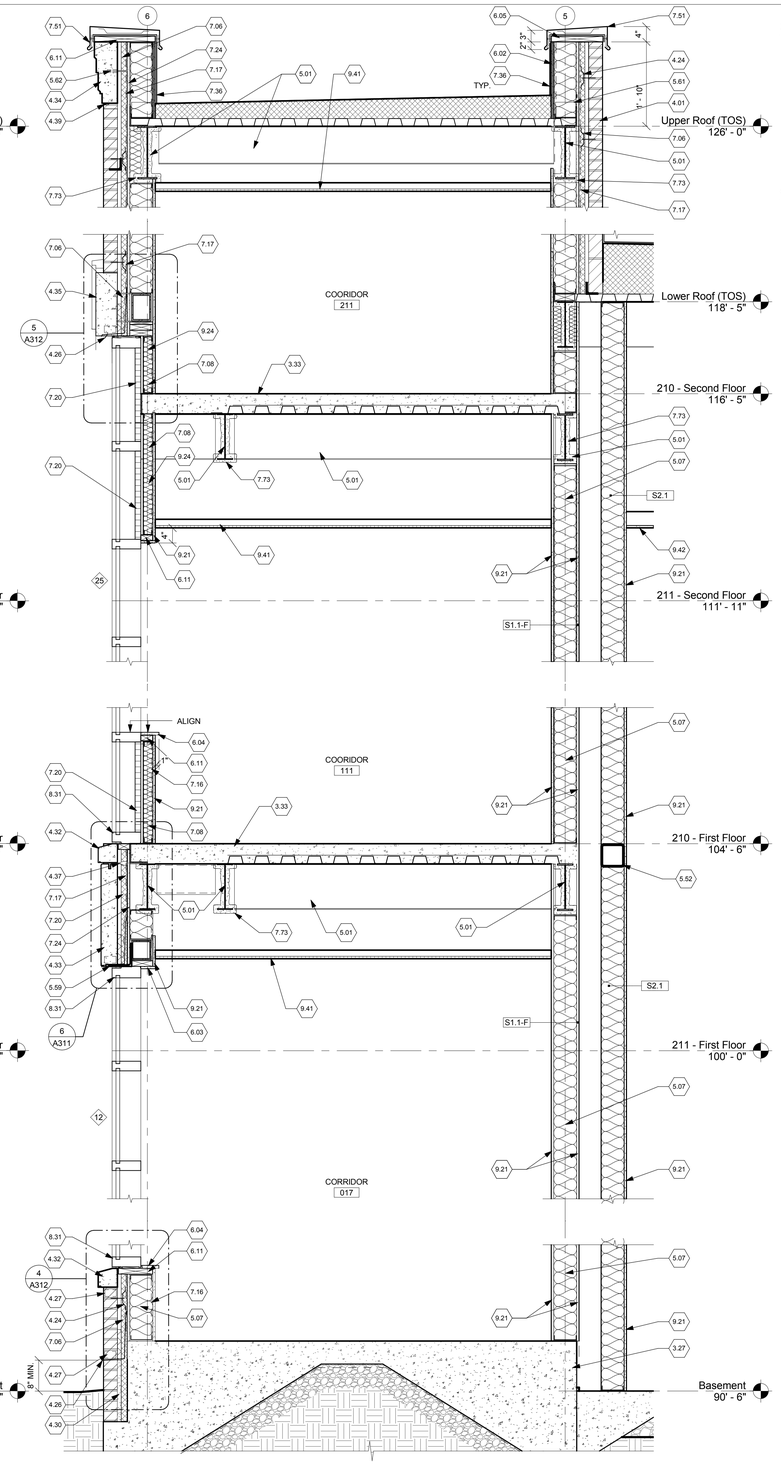
4 DETAIL
Scale: 1 1/2" = 1'-0"



3 TYP. SOFFIT DETAIL
Scale: 1 1/2" = 1'-0"



2 WALL SECTION
Scale: 3/4" = 1'-0"



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

SECTION GENERAL NOTES

A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.

○ SECTION NOTES

3.27 Concrete ramp, slope 1/12. See Structural Drawings.
3.33 5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
4.01 Brick veneer to match all existing conditions.
4.06 Brick rowlock [sill].
4.24 Adjustable masonry veneer anchors @ 16" o.c. vertical, 24" O.C. horizontal.
4.26 Continuous thru wall flashing.
4.27 Full joint weep/vent @ 24" o.c. horizontal.
4.28 Cavity drainage mesh.
4.30 Grout Solid, below flashing.
4.32 Cast stone sill.
4.33 Cast stone band. See Detail 10/A311.
4.34 Cast stone cornice. See Detail 11/A311.
4.35 Self supporting cast stone arch with keystone. Cast stone manufacturer to provide laterial tie embeds. See Structural Drawings.
4.37 Bar column masonry anchor.
4.38 Brick veneer wall as scheduled.
4.39 Backer rod and caulk "soft joint".
5.01 Structural steel frame. See Structural Drawings.
5.06 3-5/8" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.07 6" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.31 2 1/2" 20 GA metal stud framing @ 16" o.c..
5.38 5 x 3 steel tube support @ 4'-0" o.c. Weld to beam below. See Structural Drawings.
5.52 Structural steel tube. See Structural Drawings.
5.59 6" Steel angle bolted to structure, provide 3/4" bolts at 3'-0" O.C. See Structural Drawings.
5.60 Lateral tie embeds per cast stone manufacturer. Connect tie back to structural brace. See Structural Drawings.
5.61 Provide rigid clip connector at base metal studs, secure to structural steel deck.
5.62 Cast stone tie per cast stone manufacturer.
6.02 3/4" exterior grade plywood
6.03 5/8" exterior gypsum board sheathing.
6.04 Solid surface cap installed @ top of wall. Countersink screws and plug holes with same material.
6.05 Pressure treated 2x wood blocking.
6.11 Fire retardant treated blocking as required.
7.05 6" batt insulation, R-21 min.
7.06 1 1/2" rigid insulation, R= 7.5 min.
7.08 3 1/2" batt insulation.
7.12 Rigid thermal wall insulation, R-12 min.
7.13 Batt thermal wall insulation. R-11 min.
7.16 Vapor barrier. Seal all joints and penetratons.
7.17 Air and moisture barrier. Lap air and moisture barrier over thru-wall flashing.
7.20 2" rigid insulation.
7.21 Fully adhered EPDM roof membrane on tapered rigid insulation, 3" min. base. Slope insulation 1/4" per foot. See Roof Plan.
7.24 5/8" exterior gypsum sheathing, See specifications.
7.36 Extend membrane up back of parapet, over blocking and turn down exterior face of blocking.
7.51 Prefinished aluminum coping.
7.63 Metal counterflashing.
7.70 Spandral Glazing.
7.73 Spray applied fireproofing.
7.81 Continuous sealant over backer rod.
7.83 Cont. sealant each side.
8.31 7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
9.02 3 5/8" non-structural metal framing @ 16" o.c.
9.21 5/8" Type X gypsum board. See wall types.
9.24 2 1/2" steel stud.
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.42 5/8" Type "X" gypsum board soffit.
9.71 Reveal molding, strike brick mortar prior to placing reveal. Typical at all gypsum wall to brick connections.
26.01 Light fixture. See Electrical Drawings.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
JOHN A. POE
6549
REGISTERED ARCHITECT

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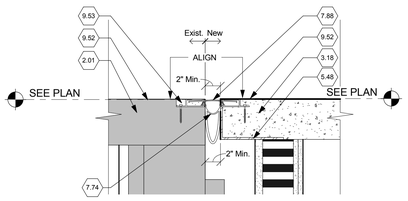
Drawing Title: WALL SECTIONS
Approved: Project Director

Project Title: CLC Common Area Connector
Location: Chillicothe, Ohio
Date: NOVEMBER 13, 2013
Checked: WS
Drawn: MA/VR

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00
Building Number: 210/211
Drawing Number: A312
Dwg.18 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs



7 EXPANSION JOINT DETAIL
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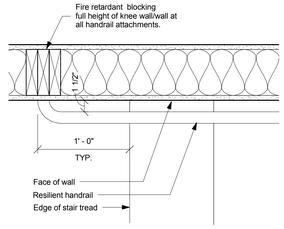

6 TYPICAL HANDRAIL DETAIL
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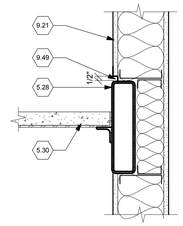

5 STRINGER DETAIL
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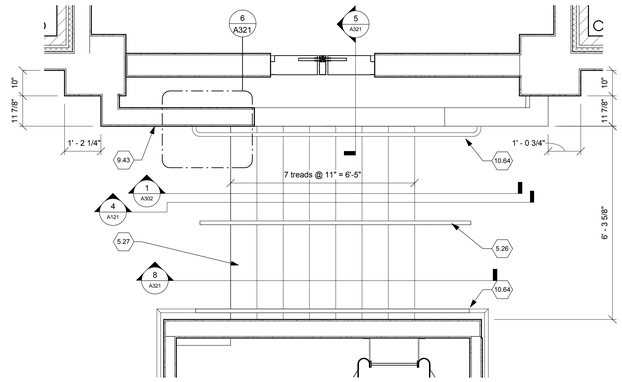


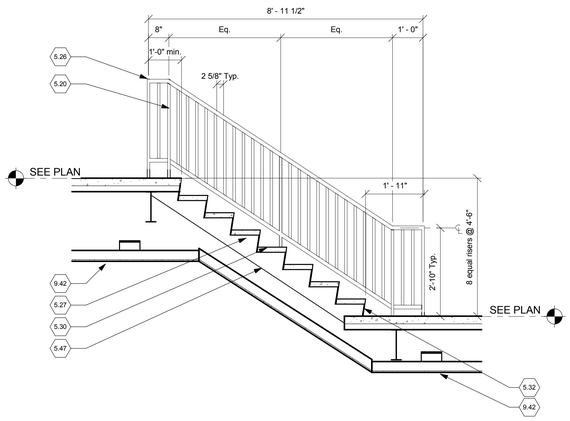
3 Enlarged Stair Plan Level 2
Scale: 1/2" = 1'-0"

SECTION GENERAL NOTES

A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.

STAIR DETAIL NOTES

2.01 Existing construction to remain.
3.18 Composite concrete deck 2 hour rated U.L. # D916. See Structural Drawings.
5.20 3/4" square steel pickets @ 4" o.c., factory prime.Paint to match resilient H.R.
5.26 1 1/2" I.D. steel pipe handrail/guardrail. Grind all joints smooth and factory prime. Paint to match resilient H.R.
5.27 Steel stair with concrete-filled steel pan treads and steel plate risers. Assembly shall include integral handrails and pipe column supports.
5.28 Steel stringer by stair manufacturer.
5.30 Steel pan tread with 3000 psi concrete fill.
5.32 Closed steel riser.
5.47 Mid-span steel stringer by stair manufacturer.
5.48 Continuous bent plate / pour stop. See Structural Drawings.
6.04 Solid surface cap installed @ top of wall. Countersink screws and plug holes with same material.
7.74 Manufacturer's integral vapor barrier and fire-stop system rated the same as the expansion joint assembly.
7.88 2" aluminum continuous 2 hour rated floor to floor expansion joint cover with continuous heavy duty centering plate. See Detail sheet. Typical in finished spaces.
7.89 2" aluminum continuous 2 hour ceiling to wall expansion joint cover.
9.21 5/8" Type X gypsum board. See wall types.
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.42 5/8" Type "X" gypsum board soffit.
9.43 Gypsum wall partition as scheduled.
9.49 'Z' reveal moulding typical at all drywall steel finish boundaries.
9.52 Finish floor. See Finish Plans
9.53 Floor backfill by General Contractor.
9.60 Resilient base. See Room Finish Schedule.
10.64 Continuous resilient handrail, see Finish Schedule.



8 MID STAIR SECTION FLR. 1 & 2
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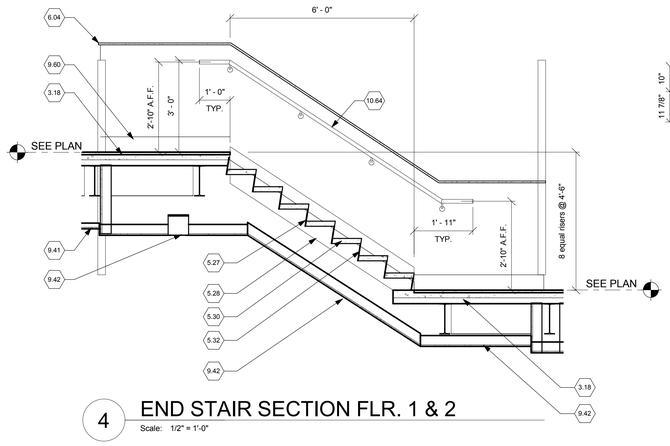

4 END STAIR SECTION FLR. 1 & 2
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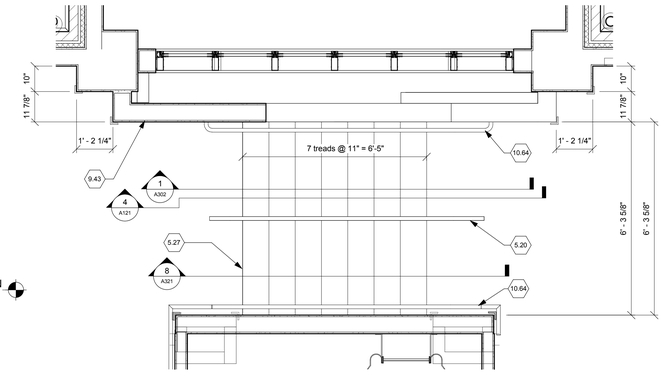
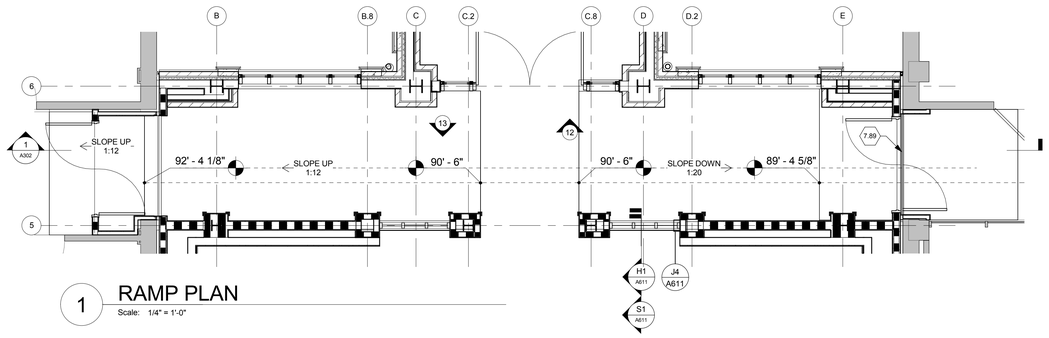


2 Enlarged Stair Plan Level 1
Scale: 1/2" = 1'-0"



1 RAMP PLAN
Scale: 1/4" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
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Drawing Title: STAIR & RAMP SECTIONS / DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: MA/VR

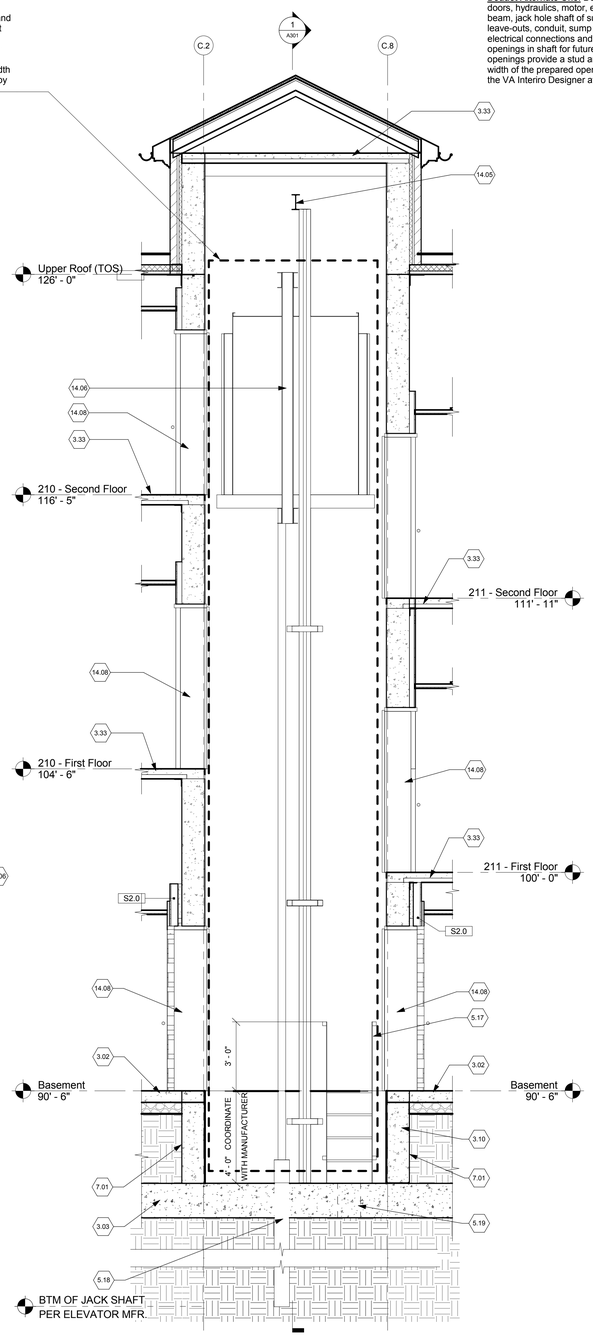
Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: A321
Dwg.19 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

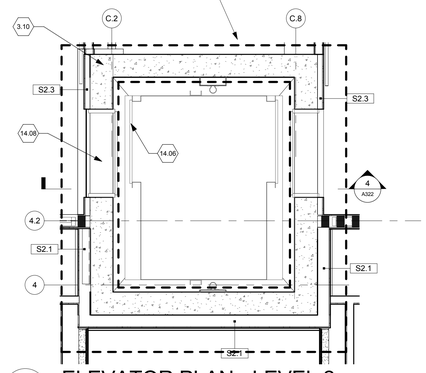
Deduct Alternate One: Delete items including elevator cab, finishes, rails, doors, hydraulics, motor, etc. Retain structural pit, shaft, roof deck, hoist beam, jack hole shaft of sufficient diameter and depth with steel cap at top, leave-outs, conduit, sump pump and pit for future mechanical, plumbing and electrical connections and piping. Cap jack hole shaft and provide rough openings in shaft for future doors per the elevator manufacturer. At all door openings provide a stud and drywall barrier (level 4 Finish) full height and width of the prepared opening and paint the barrier a color as approved by the VA Interiro Designer at conclusion of construction.



4 ELEVATOR SECTION

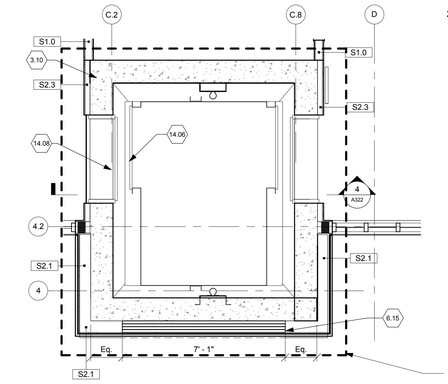
Scale: 3/8" = 1'-0"

Deduct Alternate One: Delete items including elevator cab, finishes, rails, doors, hydraulics, motor, etc. Retain structural pit, shaft, roof deck, hoist beam, jack hole shaft of sufficient diameter and depth with steel cap at top, leave-outs, conduit, sump pump and pit for future mechanical, plumbing and electrical connections and piping. Cap jack hole shaft and provide rough openings in shaft for future doors per the elevator manufacturer. At all door openings provide a stud and drywall barrier (level 4 Finish) full height and width of the prepared opening and paint the barrier a color as approved by the VA Interiro Designer at conclusion of construction.



3 ELEVATOR PLAN - LEVEL 2

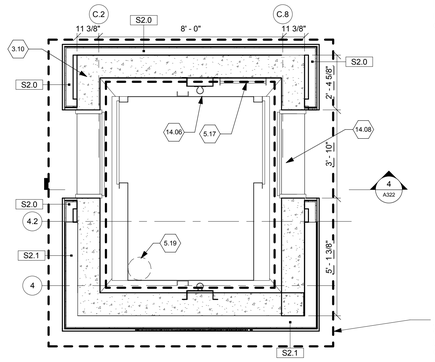
Scale: 3/8" = 1'-0"



2 ELEVATOR PLAN -LEVEL 1

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

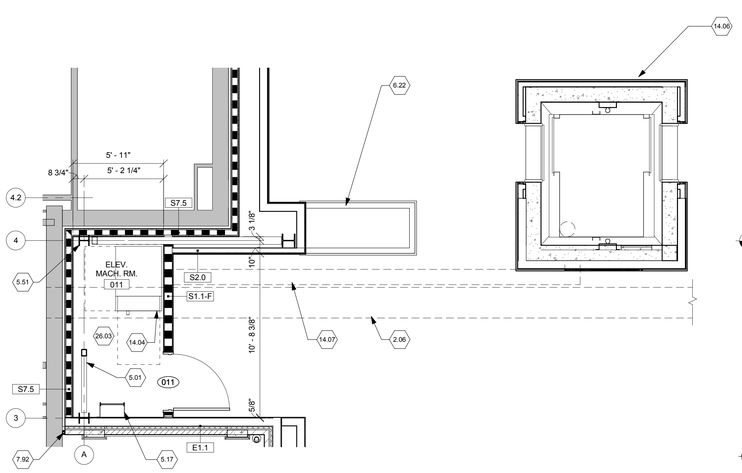
Deduct Alternate One: Delete items including elevator cab, finishes, rails, doors ,hydraulics, motor, etc. Retain structural pit, shaft, roof deck, hoist beam, jack hole shaft of sufficient diameter and depth with steel cap at top, leave-outs, conduit, sump pump and pit for future mechanical, plumbing and electrical connections and piping. Cap jack hole shaft and provide rough openings in shaft for future doors per the elevator manufacturer. At all door openings provide a stud and drywall barrier (level 4 Finish) full height and width of the prepared opening and paint the barrier a color as approved by the VA Interiro Designer at conclusion of construction.



1 ELEVATOR PLAN - BASEMENT

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

Deduct Alternate One: Delete items including elevator cab, finishes, rails, doors, hydraulics, motor, etc. Retain structural pit, shaft, roof deck, hoist beam, jack hole shaft of sufficient diameter and depth with steel cap at top, leave-outs, conduit, sump pump and pit for future mechanical, plumbing and electrical connections and piping. Cap jack hole shaft and provide rough openings in shaft for future doors per the elevator manufacturer. At all door openings provide a stud and drywall barrier (level 4 Finish) full height and width of the prepared opening and paint the barrier a color as approved by the VA Interiro Designer at conclusion of construction.



5 ELEVATOR TRENCH PLAN

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

SECTION GENERAL NOTES

A. All wood blocking / framing shall be fire retardant U.N.O.
B. Paint all exterior wood surfaces Pure White, Sherwin Williams, SW 7005 or an approved equal.
C. New brick veneer shall align with existing and match all existing conditions.
D. Verify all conditions prior to fabrication, erection and installation.
E. All cast stone attachments will be per the cast stone manufacturer.
F. Structural reinforcement at door / window curtainwall openings will be determined by the curtain wall manufacturer.

ELEVATOR NOTES

2.06 Existing underground steamline to remain. Verify steam pipe location prior to demolition and new wok. Coordinate with Civil, Structural, and MEP drawings.
3.02 6" reinforced concrete slab on grade. See Structural Drawings.
3.03 Concrete footing. See Structural Drawings.
3.10 Reinforced concrete wall. See Structural Drawings.
3.33 5 1/4" thick 2 hour rated composite concrete deck UL #D916. See Structural Drawings.
5.01 Structural steel frame. See Structural Drawings.
5.17 Fixed steel ladder with 1" diameter steel rungs @ 12" O.C. and steel safety cage. Height of safety cage to start 7'-2" A.F.F. Mount to wall and floor slab with steel angle brackets. Provide fire treated wood blocking per ladder manufacturer. Coordinate placement during wall construction.
5.18 Jack hole and casing.
5.19 Sump basin and pump. See Plumbing Drawings.
5.51 Structural steel column with sprayed-on fireproofing. See Structural Drawings.
6.15 Provide 2X6 fire treated wood blocking between studs for future electronic signage, length as shown. Secure to concrete elevator shaft with 3/4' expansion bolts at 12 " O.C. with 6" embedment. Minimum two bolts per section of blocking. Provide blockng from stud to stud. Mount three groups blocking at 14, 15 and 16 feet above the floor. Verify location with COTR prior to mounting blocking and coordinate location with junction box to be installed in this project.
6.22 New wood frame planter with stone veneer system. See Interior Elevations.
7.01 [Bituminous sheet / fluid applied / etc.] waterproofing.
7.92 Continuous 2" wall to wall exterior expansion joint cover with expandable seal.
14.04 Elevator manufacturer's AP power unit.
14.05 Hoist beam. See Structural Drawings.
14.06 New Elevator system by elevator manufacturer.
14.07 Provide elevator hydraulic access conduit, route per elevator manufacturer.
14.08 Coordinate elevator opening requirements with erection of structural concrete shaft. Verify all conditions prior to forming openings. See Structural Drawings.
26.03 Before pouring floor slab in Elevator Machine Room, verify electrical conduit and hydraulic lines are provided in locations as directed. See Electrical Drawings.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO — JOHN A. POE 6549 — REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

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Drawing Title: ELEVATOR SECTIONS, DEDUCT ALTERNATE ONE

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: MA/VR

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: A322

Dwg.20 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

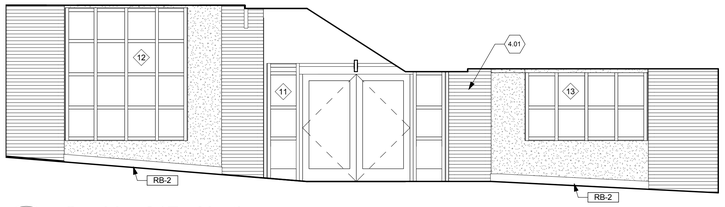
ACCESSORIES SCHEDULE			
MARK	ITEM	MOUNTING HEIGHT	COMMENTS
	Floor/Floor Glide Plate	Recessed Mount Floor/Floor	
	Wall/Wall Glide Plate (Ceiling/Ceiling available)	System Wall/Wall (Ceiling/Ceiling available)	
B	GRAB BAR 42" LENGTH	33" A.F.F. TO CENTER LINE	FURNISHED & INSTALLED BY G.C.
C	GRAB BAR 36" LENGTH	33" A.F.F. TO CENTER LINE	FURNISHED & INSTALLED BY G.C.
D	MIRROR	40" A.F.F. TO BOTTOM OF MIRROR	FURNISHED & INSTALLED BY G.C.
E	PAPER TOWEL DISPENSER	40" A.F.F. TO BOTTOM OF DISPENSER	FURNISHED BY OWNER, INSTALLED BY G.C.
F	TOILET TISSUE DISPENSER	22" A.F.F. TO CENTERLINE OF DISPENSER	FURNISHED BY OWNER, INSTALLED BY G.C.

GENERAL INT. ELEVATION NOTES

A. See sheet AF101-F & AF102-F for Floor Finish Plan.
B. See sheet A511 for Casework Details.
C. See sheet AF601 for Room Finish Schedule.
D. See sheet AF601 for Finish Materials Legend.

⬡ ELEVATION NOTES

4.01 Brick veneer to match all existing conditions.
8.07 New door & frame. See Door Schedule.
9.13 Porcelain tile base. See Finish Plans & Schedule.
9.33 Aluminum reveal. Install per all manufacturer's recommendations and direction.
10.03 Signage by owner.
22.01 Plumbing fixture. See Plumbing Drawings.
26.01 Light fixture. See Electrical Drawings.
26.02 Provide removable stone panel to access junction box for electrical and data connections for future electronic signage as provided by the VA. Install per manufacturer's directions. See Electrical Drawings.



12 Corridor 017 - North
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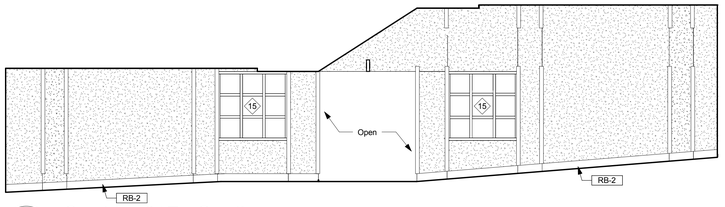

13 Corridor 017 - South
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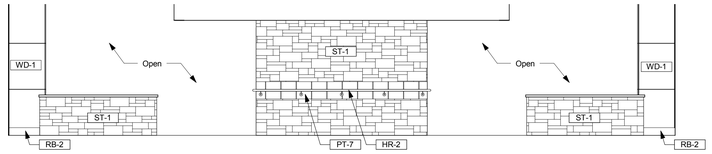

11 RECEPTION -012
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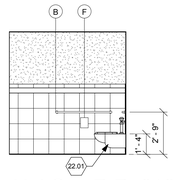

10 Uni-Sex R.R. 013
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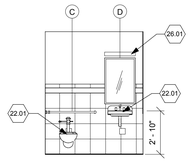

9 Uni-Sex R.R. 013
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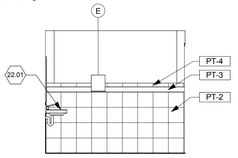

8 Uni-Sex R.R. 013
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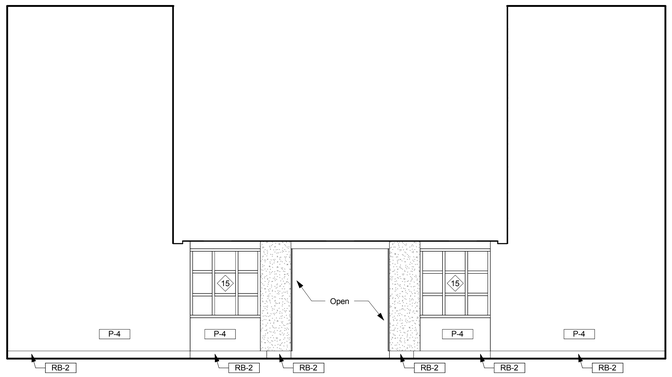
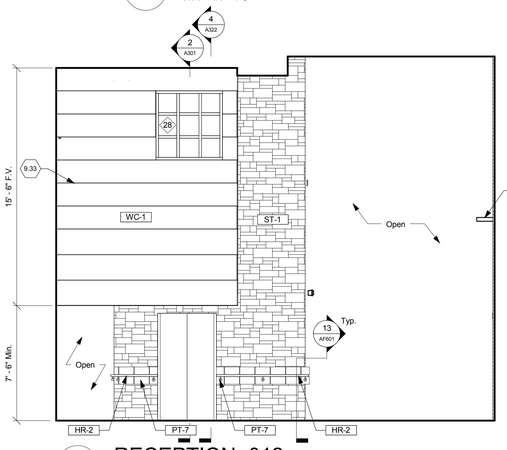


7 CORRIDOR - 017
Scale: 1/4" = 1'-0"



6 RECEPTION -012
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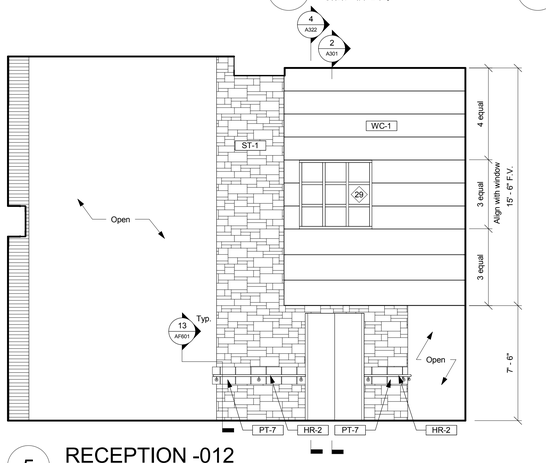

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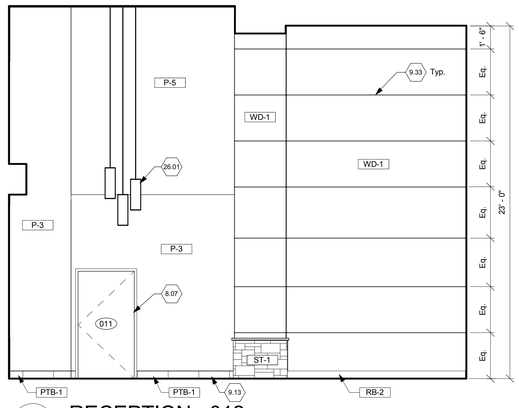

4 RECEPTION - 012
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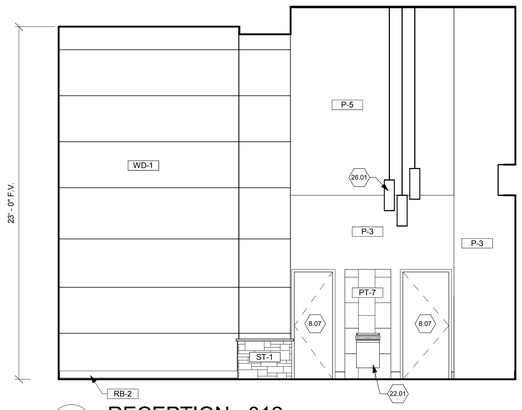

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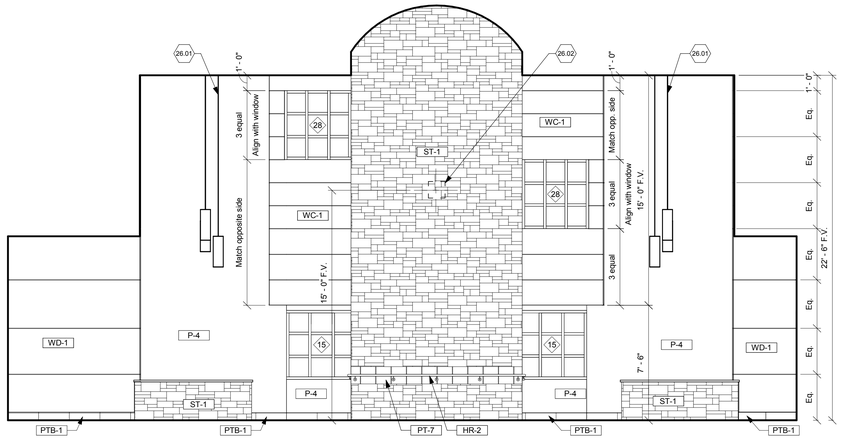

2 RECEPTION - 012
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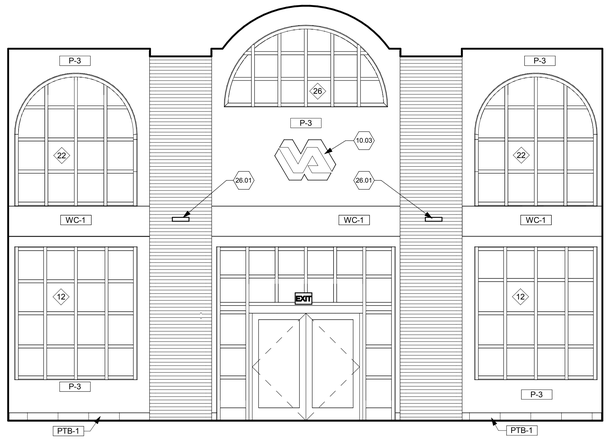

1 RECEPTION - 012
Scale: 1/4" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: INTERIOR ELEVATIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: KG/MA

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

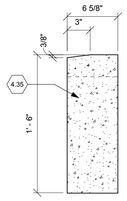
Building Number: 210/211

Drawing Number: A401

Dwg.21 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



2 KEYSTONE SECTION

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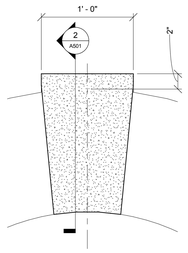

1 KEYSTONE ELEVATION

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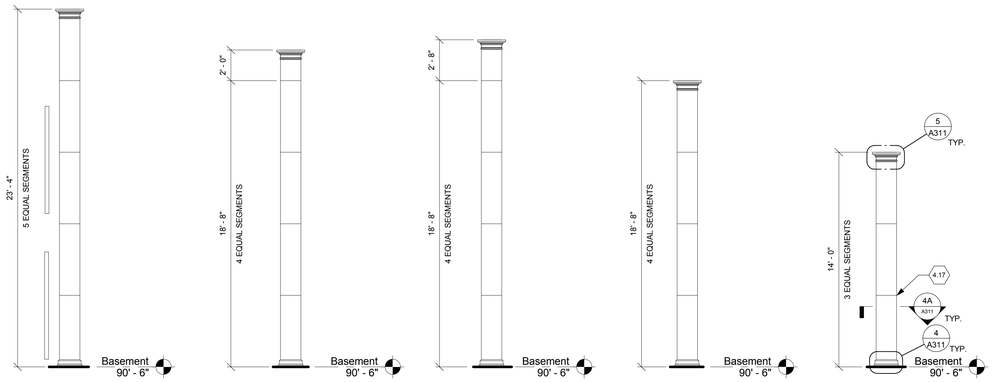

PILASTER TYPES

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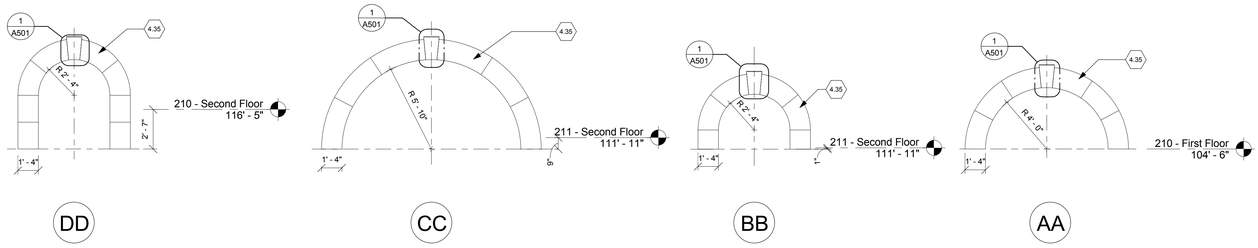


ARCH TYPES

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

GENERAL NOTES

A All dimensions are taken to face of gypsum wallboard or unit masonry.

B Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls.

C Install fire retardant blocking at all wall mounted equipment, accessories, casework and wall- mounted door stops. Provide certificate of fire-retardant to the C.O.T.R. for approval.

D All walls are type S1.0 unless noted otherwise. For partition types refer to Drawing A501.

E Verify all conditions in the field prior to fabrication, erection and construction.

F All gypsum board to be moisture resistant gypsum board behind all new sinks, drinking fountain, and water closet.

G Provide accoustic batt insultion at interior partitions and thermal batt insulation at all new exterior wall construction.

H Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.T.R. See General Requirements.

J 100'-0" equals 703.15', contractor to verify floor to floor elevations in the field.

K All asbestos containing material (ACM) must be abated per the direction of the C.O.T.R. and project specification 028213 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.

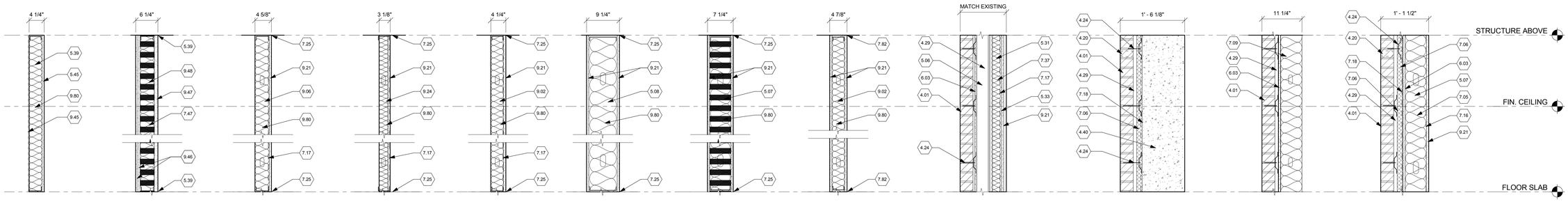
L Finish floor elevation is considered 0'-0" for floor drain placement. All drains shall be at -0'-0 1/2" unless noted otherwise. Slope slab to drain. See Structural Drawings.

M Cast stone arches will be self-supporting, Attachment will be designed by the cast stone manufacturer. See Structural Drawings.

N Tooth in all new masonry into existing, match all existing conditions.

⬡ WALL TYPE NOTES

4.01 Brick veneer to match all existing conditions.
4.17 Cast stone pilaster, refer to cast stone details.
4.20 Masonry vent 24" o.c. top & bottom of wall typical.
4.24 Adjustable masonry veneer anchors @ 16" o.c. vertical, 24" O.C. horizontal.
4.29 Airspace.
4.35 Self supporting cast stone arch with keystone. Cast stone manufacturer to provide laterial tie embeds. See Structural Drawings.
4.40 Reinforced concrete wall. See Structural Drawings.
5.06 3-5/8" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.07 6" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.08 8" cold formed metal framintg @ 16" O.C. See Structural Drawings.
5.31 2 1/2" 20 GA metal stud framing @ 16" o.c..
5.33 Metal stud header.
5.39 3 5/8" 20 GA metal studs @16" o.c.
5.45 5/8" type "X" gypsum board, or 5/8" exterior sheathing. See Phasing Plan.
6.03 5/8" exterior gypsum board sheathing.
7.05 6" batt insulation, R-21 min.
7.06 1 1/2" rigid insulation, R= 7.5 min.
7.09 8" batt insulation.
7.16 Vapor barrier. Seal all joints and penetratons.
7.17 Air and moisture barrier. Lap air and moisture barrier over thru-wall flashing.
7.18 Air and moisture barrier.
7.25 Firesafing / firestopping in flute voids.
7.37 Fiberglass batt insulation.
7.47 Fire-resistant insulation.
7.82 Continuous acoustic sealant @ non-rated walls / fire-rated sealant @ rated walls each side.
9.02 3 5/8" non-structural metal framing @ 16" o.c.
9.06 4" non-structural metal framing @ 16" o.c.
9.21 5/8" Type X gypsum board. See wall types.
9.24 2 1/2" steel stud.
9.45 Flame-retardant plastic sheeting sealed to create negative air pressure inside work zone.
9.46 5/8" Type "X" gypsum board.
9.47 1" Type "X" gypsum board.
9.48 4" metal C-H stud @ 24" o.c.
9.80 Sound attenuation insulation.



WALL TYPES

Scale: 1" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
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6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

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Drawing Title: WALL TYPES

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

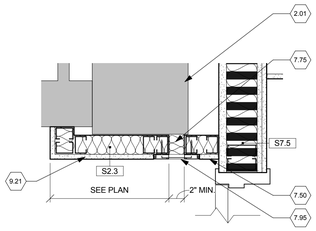
Building Number: 210/211

Drawing Number: A501

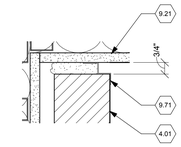
Dwg.22 of 70

Office of Construction and Facilities Management

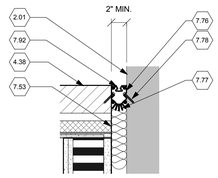
Department of Veterans Affairs



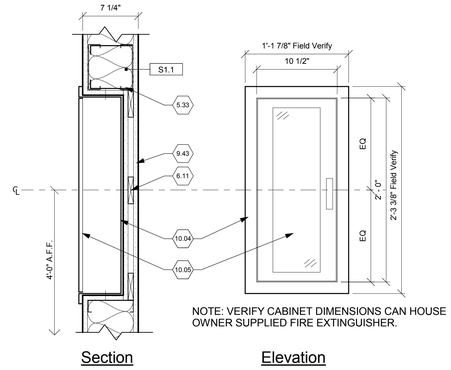
15 WALL TO WALL EXP. JOINT
Scale: 1 1/2" = 1'-0"



16 TYP. REVAL MOLDING DETAIL
Scale: 3" = 1'-0"



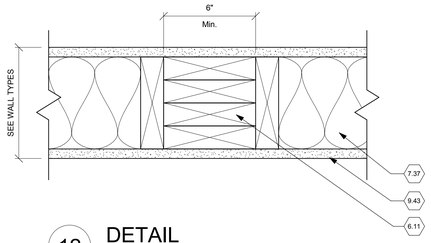
14 EXT. WALL TO WALL EXP. JT.
Scale: 1 1/2" = 1'-0"



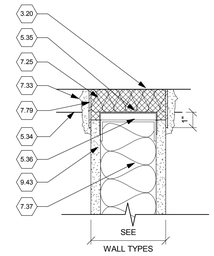
13 DETAIL
Scale: 1 1/2" = 1'-0"

GENERAL NOTES

A All dimensions are taken to face of gypsum wallboard or unit masonry.
B Edge of all door jambs at hinge side not otherwise indicated are to be 6" from the face of intersecting walls.
C Install fire retardant blocking at all wall mounted equipment, accessories, casework and wall- mounted door stops. Provide certificate of fire-retardant to the C.O.T.R. for approval.
D All walls are type S1.0 unless noted otherwise. For partition types refer to Drawing A501.
E Verify all conditions in the field prior to fabrication, erection and construction.
F All gypsum board to be moisture resistant gypsum board behind all new sinks, drinking fountain, and water closet.
G Provide accoustic batt insultion at interior partitions and thermal batt insulation at all new exterior wall construction.
H Coordinate access to all phases of construction, deliveries, and debris removal with the C.O.T.R. See General Requirements.
J 100'-0" equals 703.15', contractor to verify floor to floor elevations in the field.
K All asbestos containing material (ACM) must be abated per the direction of the C.O.T.R. and project specification 028213 and local state and federal regulations. Abatement if required is to be scheduled in appropriate sequence with demolition, new construction and project phasing.
L Finish floor elevation is considered 0'-0" for floor drain placement. All drains shall be at -0'-0 1/2" unless noted otherwise. Slope slab to drain. See Structural Drawings.
M Cast stone arches will be self-supporting, Attachment will be designed by the cast stone manufacturer. See Structural Drawings.
N Tooth in all new masonry into existing, match all existing conditions.



12 DETAIL
Scale: 3" = 1'-0"

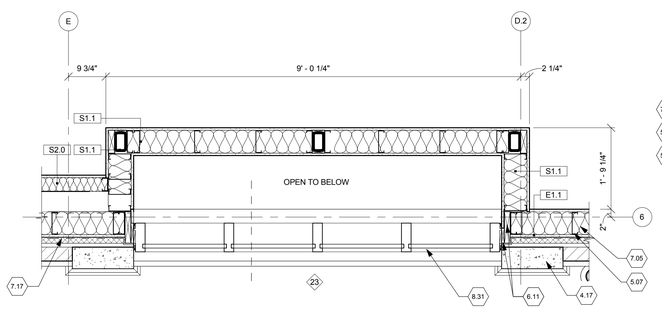


UL # HW-D-0042
1HR. Rated @
Metal Deck

11 DETAIL
Scale: 3" = 1'-0"

DETAILS NOTES

2.01 Existing construction to remain.
3.20 Composite concrete deck with fireproofing on underside.
4.01 Brick veneer to match all existing conditions.
4.03 Brick quions, brick veneer to match existing conditions. Refer to exterior elevations.
4.17 Cast stone pilaster, refer to cast stone details.
4.38 Brick veneer wall as scheduled.
5.07 6" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.17 Fixed steel ladder with 1" diameter steel rungs @ 12" O.C. and steel safety cage. Height of safety cage to start 7'-2" A.F.F. Mount to wall and floor slab with steel angle brackets. Provide fire treated wood blocking per ladder manufacturer . Coordinate placement during wall construction.
5.33 Metal stud header.
5.34 Bottom of deck flute.
5.35 Metal deflection track, secure to bottom of deck flute.
5.36 Light gauge metal framing at 16" o.c., do not attach to slip track.
5.50 Structural steel beam with sprayed on fireproofing. See Structural Drawings.
5.51 Structural steel column with sprayed-on fireproofing. See Structural Drawings.
6.05 Pressure treated 2x wood blocking.
6.11 Fire retardant treated blocking as required.
6.22 New wood frame planter with stone veneer system. See Interior Elevations.
7.05 6" batt insulation, R-21 min.
7.06 1 1/2" rigid insulation, R= 7.5 min.
7.16 Vapor barrier. Seal all joints and penetratons.
7.17 Air and moisture barrier. Lap air and moisture barrier over thru-wall flashing.
7.18 Air and moisture barrier.
7.24 5/8" exterior gypsum sheathing, See specifications.
7.25 Firesafing / firestopping in flute voids.
7.33 Sprayed on firestopping, both sides.
7.35 Sealant and backer rod to run full length of joint.
7.37 Fiberglass batt insulation.
7.50 New wall constuction.
7.53 Fill void with unfaced batt insulation/fire safing.
7.73 Spray applied fireproofing.
7.75 Manufacturer's integral fire stop system.
7.76 Continuous aluminum flush frame set in sealant bed.
7.77 Continuous internal backseal.
7.78 Concrete/masonry screw, number and frequency by joint manufacturer.
7.79 Forming material by manufacturer.
7.81 Continuous sealant over backer rod.
7.92 Continuous 2" wall to wall exterior expansion joint cover with expandable seal.
7.95 Continuous 2" wall to wall interior continuous expansion joint frame and cover plate.
8.31 7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
8.62 Prefinished aluminum siteproof louver with insulated blank off panel. 2" deep"
9.03 6" non-structural metal framing @ 16" o.c.
9.06 4" non-structural metal framing @ 16" o.c.
9.21 5/8" Type X gypsum board. See wall types.
9.43 Gypsum wall partition as scheduled.
9.71 Reveal molding, strike brick mortar prior to placing reveal. Typical at all gypsum wall to brick connections.
10.04 Fully recessed steel fire extinguisher cabinet with flat trim.
10.05 1/4" thick acrylic glazing.
32.07 Cast iron downspout boot. Coordinate location in the field with downspout location. Match existing conditions.



10 PLAN DETAIL
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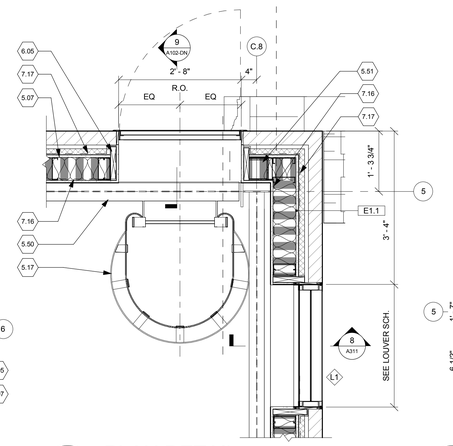

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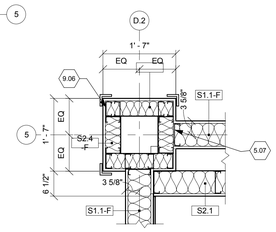

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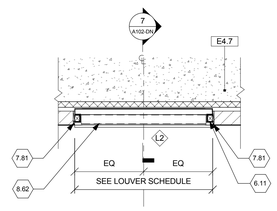

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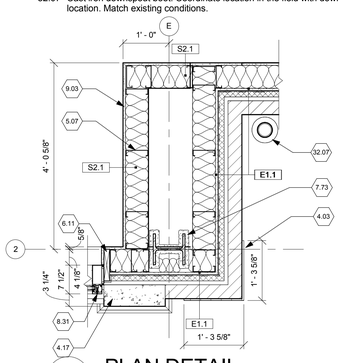

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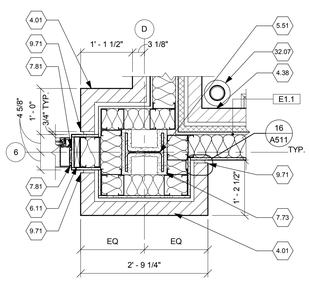

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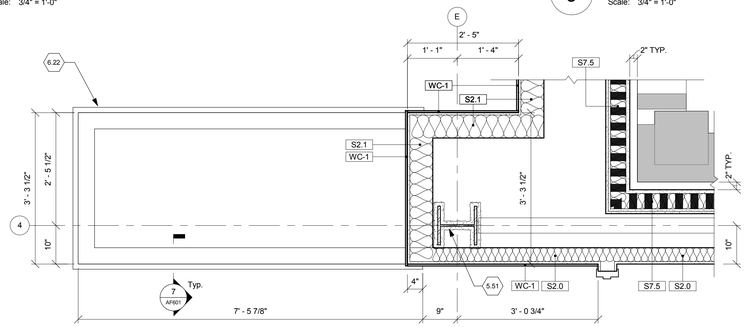

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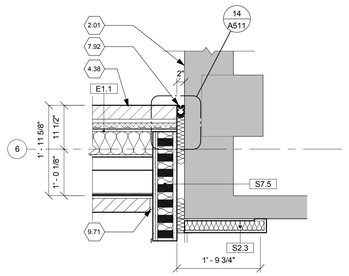
Scale: 3/4" = 1'-0"



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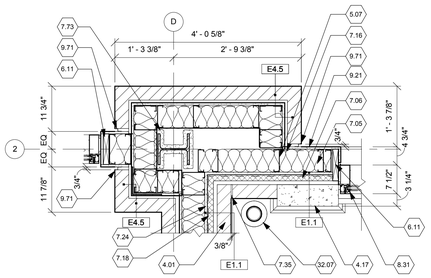

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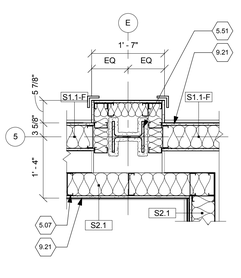

1 PLAN DETAIL
Scale: 3/4" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
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REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

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Drawing Title: DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

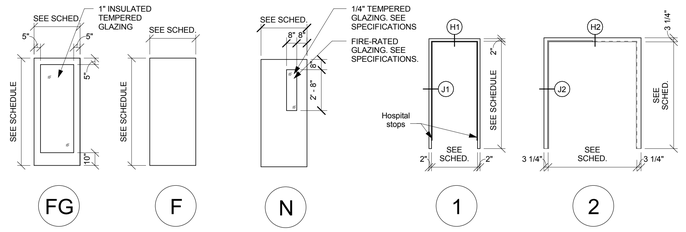
Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: A511
Dwg.23 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

DOOR SCHEDULE															
DOOR #	BETWEEN		DOOR DESCRIPTION						FRAME DESCRIPTION				FIRE RATING	HDWE SET	REMARKS
	RM	RM	TYPE	MAT'L	SIZE				TYPE	MAT'L	HEAD	JAMB			
					#	W	H	T							
010A	EXT	010	FG	ALUM	2	3' - 6"	7' - 0"	1 1/2"	MFR	ALUM	H2	J5		002	See Aluminum Curtainwall Elevations / Details.
010B	010	012	FG	ALUM	2	3' - 6"	7' - 0"	1 1/2"	MFR	ALUM	H2	J5		001	See Aluminum Curtainwall Elevations / Details.
011	011	012	F	WD	1	3' - 8"	7' - 0"	1 3/4"	1	HM	H1	J1		003	
013	012	013	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1		005	3/4" undercut @ restroom
014	012	014	F	WD	1	2' - 6"	7' - 0"	1 3/4"	1	HM	H1	J1		004	
017A	017	BLDG 211	N	WD	2	3' - 0"	7' - 0"	1 3/4"	2	HM	H1	J1	1HR	007	
017B	BLDG 210	BLDG 210	N	WD	2	3' - 0"	7' - 0"	1 3/4"	2	HM	H1	J1	1HR	007	
018A	018	EXT	FG	ALUM	2	3' - 6"	7' - 0"	1 1/2"	MFR	ALUM	H2	J5		002	See Aluminum Curtainwall Elevations / Details.
018B	017	018	FG	ALUM	2	3' - 6"	7' - 0"	1 1/2"	MFR	ALUM	H2	J5		001	See Aluminum Curtainwall Elevations / Details.
111A	BLDG 211	111	N	WD	2	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1	1HR	007	
111B	111	BLDG 210	N	WD	2	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1	1HR	007	
116E	110	111	F	WD	1	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1	1HR	006	
211A	BLDG 211	211	N	WD	2	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1	1HR	007	
211B	211	BLDG 210	N	WD	2	3' - 0"	7' - 0"	1 3/4"	1	HM	H1	J1	1HR	007	

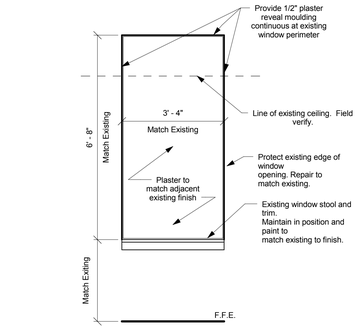


DOOR TYPES

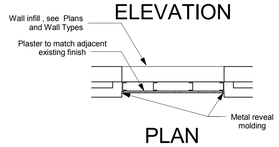
Scale: 1/4" = 1'-0"

FRAME TYPES

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



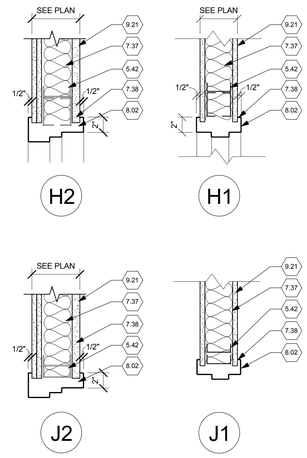
ELEVATION



PLAN

1 TYP. WINDOW INFILL FINISH

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



DOOR DETAILS

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

GENERAL DOORS NOTES

A. All wood blocking shall be fire retardant, u.n.o..
B. See Finish Plans for typical sill conditions at unlike floor finishes.
C. Seal joints between finish material and bottom of door frames.
D. Paint window frames at door windows to match door frame.
E. Double studs at all door openings.
F. Verify all conditions prior to fabrication, erection and installation.
G. Finish all exterior doors to match existing.
H. Refinish all existing doors to like new. Remove all existing hardware, unmount door, prep, prime and finish to match all existing conditions. Reinstall door and hardware, match all existing conditions.
J. Structural reinforcement at door / window curtainwall openings will be determined and designed by the curtain wall manufacturer.

○ DETAIL NOTES

5.42 Metal stud framing. See Wall Types.
7.37 Fiberglass batt insulation.
7.38 Sealant both sides of frame. Provide backer rod at all exterior locations.
8.02 Hollow metal frame.
9.21 5/8" Type X gypsum board. See wall types.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
JOHN A. POE
6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:
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Drawing Title: DOOR SCHEDULE & DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

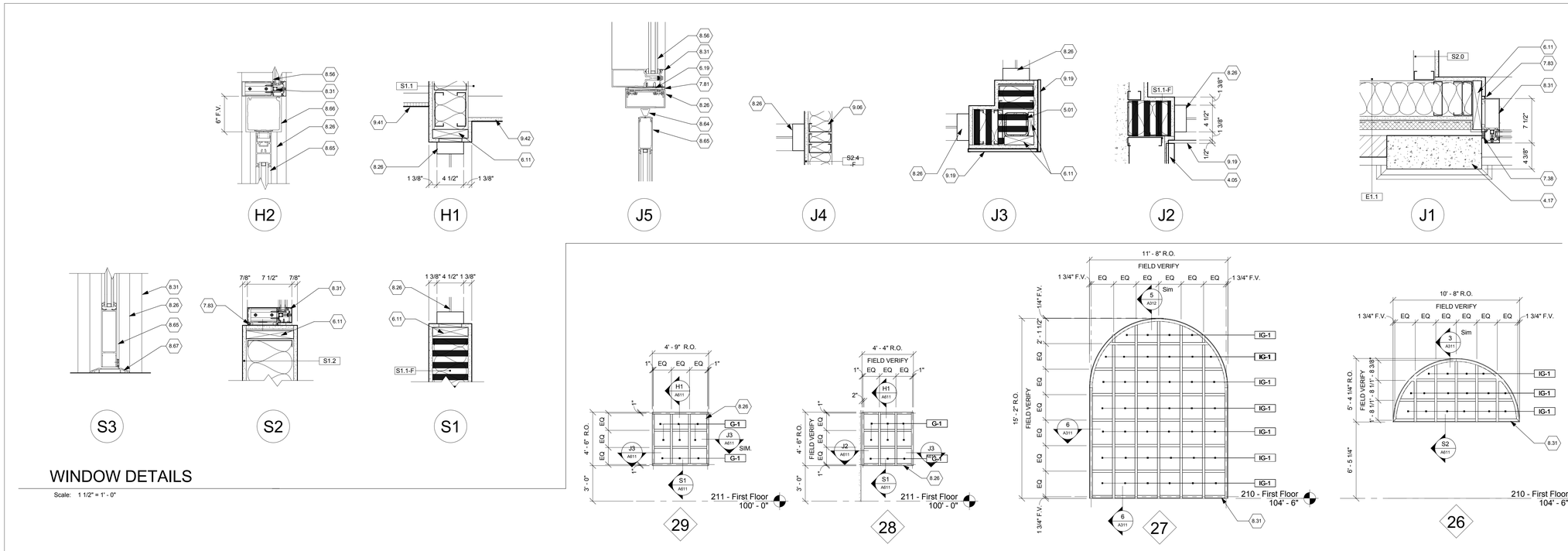
Building Number: 210/211

Drawing Number: A601

Dwg.24 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



WINDOW DETAILS

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

GENERAL DOORS NOTES

A. All wood blocking shall be fire retardant, u.n.o..
B. See Finish Plans for typical sill conditions at unlike floor finishes.
C. Seal joints between finish material and bottom of door frames.
D. Paint window frames at door windows to match door frame.
E. Double studs at all door openings.
F. Verify all conditions prior to fabrication, erection and installation.
G. Finish all exterior doors to match existing.
H. Refinish all existing doors to like new. Remove all existing hardware, unmount door, prep, prime and finish to match all existing conditions. Reinstall door and hardware, match all existing conditions.
J. Structural reinforcement at door / window curtainwall openings will be determined and designed by the curtain wall manufacturer.

⬡ WINDOW TYPE NOTES

4.05 Stone wall panel.
4.17 Cast stone pilaster, refer to cast stone details.
4.32 Cast stone sill.
5.01 Structural steel frame. See Structural Drawings.
6.11 Fire retardant treated blocking as required.
6.19 Provide shim.
7.38 Sealant both sides of frame. Provide backer rod at all exterior locations.
7.81 Continuous sealant over backer rod.
7.83 Cont. sealant each side.
8.26 4.5" Aluminum thermally broken storefront window/door framing system.
8.27 6" Aluminum storefront window system.
8.31 7.5" Aluminum curtainwall system with 1" insulated Low-E glazing assembly..
8.56 Insulated glass unit - IG-1.
8.64 Weather gasketing by manufacturer
8.65 Wide stile thermally broken automatic aluminum door system with 1" insulated Low-E glazing. See Door Schedule.
8.66 Aluminum storefront motor box for automatic door system by aluminum storefront manufacturer.
8.67 Aluminum threshold set in mastic bed full width of door opening by aluminum storefront manufacturer.
9.06 4" non-structural metal framing @ 16" o.c.
9.19 Wood veneer panel.
9.41 Suspended acoustic ceiling tile/grid. See Room Finish Schedule.
9.42 5/8" Type "X" gypsum board soffit.

GLAZING SCHEDULE	
MARK	GLAZING TYPE
G-1	1/4" glazing
IG-1	1" Insulated glazing unit
IG-2	1" Insulated spandrel unit
IG-3	1" tempered insulated glazing unit

WINDOW TYPES

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

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO — JOHN A. POE 6549 — REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

JOHN POE ARCHITECTS

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Drawing Title: ALUMINUM CURTAINWALL ELEVATIONS / DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: VR

Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

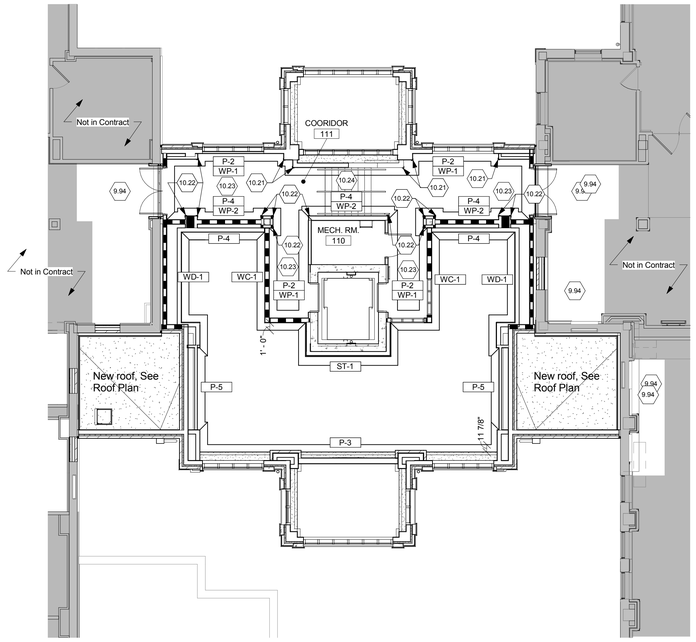
Drawing Number: A611

Dwg.25 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

FINISH LEGEND - DEDUCT ALTERNATE				
MARK	FINISH TYPE	MANUFACTURER	PRODUCT / COLOR	COMMENTS
CEILING FINISHES				
ACT-1	ACOUSTICAL CEILING	ARMSTRONG	ACOUSTICAL CEILING TILE	
P-7	PAINT	SHERWIN WILLIAMS	CEILING WHITE	GLOSS LEVEL 1
FLOOR FINISHES				
CPT-1	CPT-1	BENTLEY	AVANT GARDIA 8AD30, RENDERING 880229, 24" X 24"	INSTALLATION : QUARTERN TURN
PT-1	PORCELAIN TILE	DALTILE	CONTINENTAL SLATE, CS50 EGYPTIAN BEIGE, 6" X 6"	
PT-5	PORCELAIN TILE	AMERICAN OLEAN	ARBOR HOUSE, BIRCH BEIGE AH50, 6" X 24"	
PT-6	PORCELAIN TILE	AMERICAN OLEAN	ARBOR HOUSE, WARM CHERRY AH52, 6" X 24"	
PTB-1	PORCELAIN BULLNOSE TILE	AMERICAN OLEAN	ARBOR HOUSE,BULLNOSE S-46F9, BIRCH BEIGE AH50, 6" X 24"	
RB-1	RUBBER BASE	JOHNSONITE	CLAY 09, 6"	
RB-2	RUBBER BASE	JOHNSONITE	SANDALWOOD 45 , 6"	
RST-1	RUBBER BASE	JOHNSONITE	BAMBOO TREAD W/ INTEGRATED RISER RTR-BMRT-09 CLAY	
VCT-1	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS, ALMONDINE 133	
VCT-2	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS, SIERRA 268	
VPF-1	VINYL PLANK FLOORING	CENTIVA	EVENT PLANK, WP 3305-E, AMERICAN CHERRY, 4" X 36"	
WO-1	WALK OFF CARPET	INTERFACE	SUPER FLOR, STYLE: 6090002504, MID BROWN 609023	
MISCELANEOUS FINISHES				
SS-1	SOLID SURFACE	HANEX	BRIONNE MAYFAIR BL-007	WINDOW STOOLS
WALL FINISHES				
P-1	PAINT	SHERWIN WILLIAMS	SOFTER TAN SW6141	GLOSS LEVEL 3
P-2	PAINT	SHERWIN WILLIAMS	MACADAMIA, SW 6142	GLOSS LEVEL 3
P-3	PAINT	SHERWIN WILLIAMS	HARDWARE SW6172	GLOSS LEVEL 3
P-4	PAINT	SHERWIN WILLIAMS	DECOROUS AMBER SW0007	GLOSS LEVEL 3
P-5	PAINT	SHERWIN WILLIAMS	LANYARD SW7680	GLOSS LEVEL 3
P-6	PAINT	SHERWIN WILLIAMS	DAPPER TAN SW6144	DOOR FRAMES/GLOSS 5
PT-2	PORCELAIN TILE	DALTILE	CONTINENTAL SLATE, CS50 EGYPTIAN BEIGE, 12" X 12"	
PT-3	PORCELAIN TILE ACCENT	DALTILE	CONTINENTAL SLATE, CS71 DECORATIVE ACCENT, 4" X 12"	
PT-7	PORCELAIN TILE	DALTILE	DEL MONOCO, ADRIANA ROSSO DM91, 13" X 20"	
WALL PROTECTION				
CG-1	CORNER GUARD	C.S. ACROVYN	SM-20N, BEIGE 103	
CG-2	CORNER GUARD	C.S. ACROVYN	SM-20N, GINGERSPICE 193	
CR-1	CRASH RAIL	C.S. ACROVYN	SCR-48N, BEIGE 103	
HR-1	HAND RAIL	C.S. ACROVYN	HRB-10C HANDRAIL:#373, ACCENT: #103, GUARD: #372	
HR-2	HAND RAIL	C.S. ACROVYN	P-RAN HANDRAIL: #373, BRACKET: MATCH P-6.	
WP-1	SHEET WALL PROTECTION	C.S. ACROVYN	0.060 RIGID ACROVYN 4000 SHEET, BEIGE 103	
WP-2	SHEET WALL PROTECTION	C.S. ACROVYN	0.060 RIGID ACROVYN 4000 SHEET, GINGER SPICE 193	



2 FIRST FLOOR - WALL FINISH PLAN

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

GENERAL FINISH PLAN NOTES

A. See Sheet AF601 for Finish Materials Legend.
B. See Sheet AF601 for Room Finish Schedule.
C. See Interior Elevations on Sheet A401 for further information.
D. For the limits of temporary partitions see Phasing Plans.
E. Determine exact limits of new finishes in 210 & 211 with COTR prior to beginning construction.
F. All solid surface window sills and stools to be SS-1.
G. Manufacturer information provided for material type/finish/color is for reference only. Other equal product shall be considered by the VA if the product meets specification and general intent of color compatibility.
H. All exposed steel is to be painted to match adjacent wall color. Any questions regarding color should be coordinated with VA Interior Designer.
I. All hollow metal door frames and stair handrail to be painted P-6.

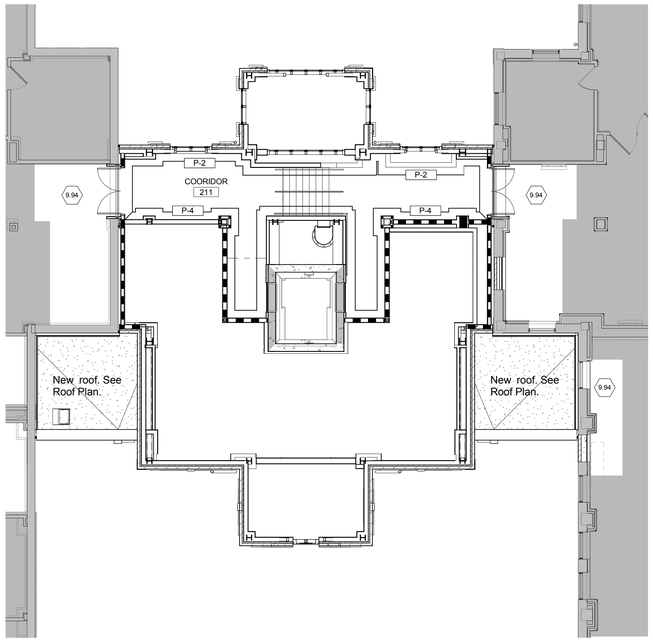
WALL FINISH PLAN NOTES

7.10 Temporary wall. See Phasing Plan.
9.94 Match all existing finishes this area. Coordinate with Phasing Plans.
9.95 Brick to height indicated, paint above. See Detail 3/A312.
10.2 1 Corner guard: CG-1.
10.2 2 Corner guard: CG-2.
10.2 3 Impact resistant hand rail, crash rail and rigid sheet wall protection. See Detail 14/AF601.
10.2 4 Impact resistant hand rail and sheet wall protection on stairs. See Detail 13/A601.

LEGEND

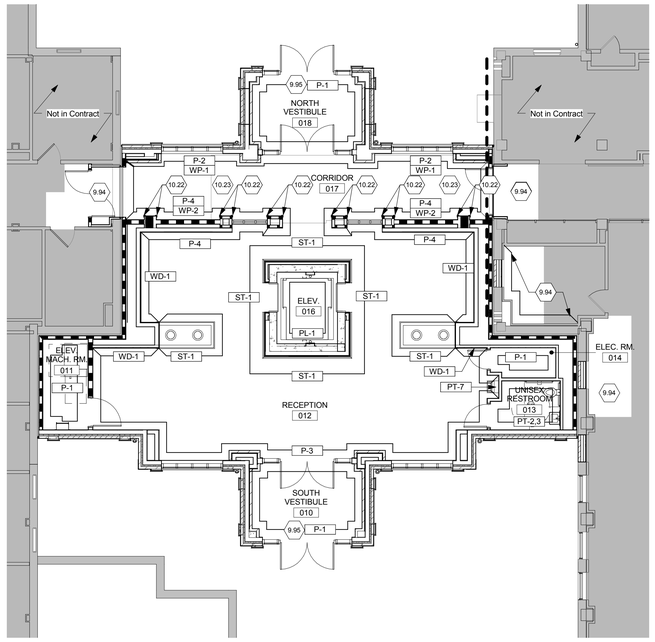
Not in Contract

Deduct Alternate Two: Delete selected wall finishes in Main Reception Room 012 including Wood Veneer system and Decorative Wood Panels. These walls will instead receive paint as the finish system. The color/colors will be determined at a future date. However, the colors used will be selected from the existing palette for the project. Delete the stone veneer system indicated for installation at the east and west elevator walls on First and Second Floors. Instead provide a Level 4 finish to the gypsum board substrate per the specifications and paint the walls as indicated for Reception Room 012.



3 SECOND FLOOR - WALL FINISH PLAN

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



1 BASEMENT - WALL FINISH PLAN

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

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: WALL FINISH PLAN AND DEDUCT ALTERNATE TWO

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: KG/MA

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

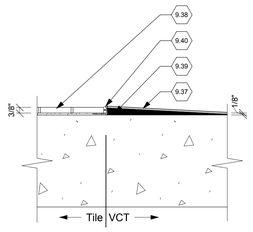
Building Number: 210/211

Drawing Number: AF101-W

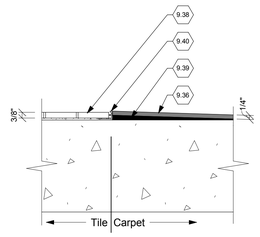
Dwg.26 of 70

Office of Construction and Facilities Management

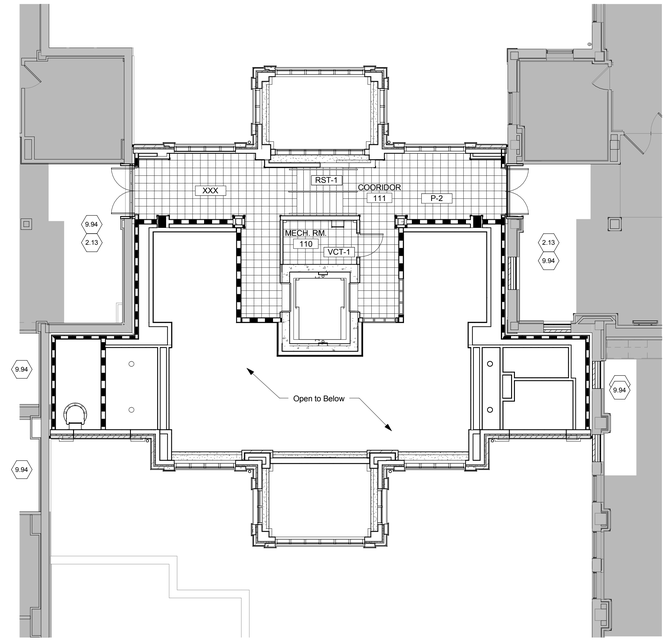
Department of Veterans Affairs



T2 TRANSITION DETAIL
Scale: 3" = 1'-0"



T1 TRANSITION DETAIL
Scale: 3" = 1'-0"



2 FIRST FLOOR - FINISH FLOOR PLAN
Scale: 1/8" = 1'-0"

GENERAL FINISH PLAN NOTES

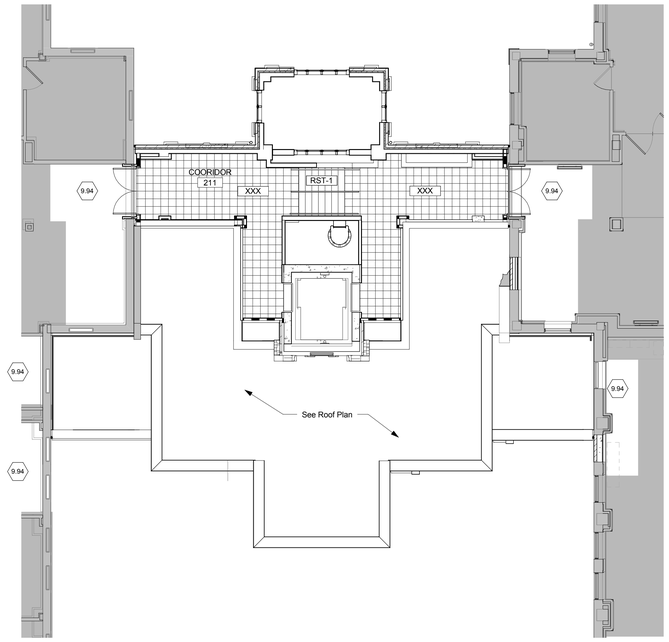
A. See Sheet AF601 for Finish Materials Legend.
B. See Sheet AF601 for Room Finish Schedule.
C. See Interior Elevations on Sheet A401 for further information.
D. For the limits of temporary partitions see Phasing Plans.
E. Determine exact limits of new finishes in 210 & 211 with COTR prior to beginning construction.
F. All solid surface window sills and stools to be SS-1.
G. Manufacturer information provided for material type/finish/color is for reference only. Other equal product shall be considered by the VA if the product meets specification and general intent of color compatibility.
H. All exposed steel is to be painted to match adjacent wall color. Any questions regarding color should be coordinated with VA Interior Designer.
J. All hollow metal door frames and stair handrail to be painted P-6.

⬡ FLOOR FINISH PLAN NOTES

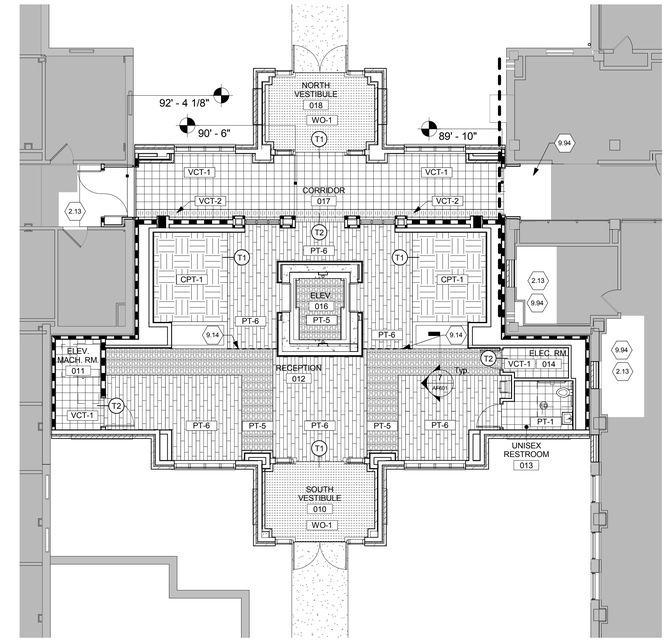
2.13 Coordinate exact limits of construction and phasing in the field with the C.O.T.R.
9.14 Movement joint.
9.36 Carpet tile.
9.37 Luxury vinyl tile.
9.38 Porcelain tile.
9.39 Subfloor leveler.
9.40 Metal edge trim.
9.94 Match all existing finishes this area. Coordinate with Phasing Plans.

LEGEND

Not in Contract



3 SECOND FLOOR - FINISH FLOOR PLAN
Scale: 1/8" = 1'-0"



1 BASEMENT - FINISH FLOOR PLAN
Scale: 1/8" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

STATE OF OHIO
JOHN A POE 6549
REGISTERED ARCHITECT

ARCHITECT/ENGINEERS:

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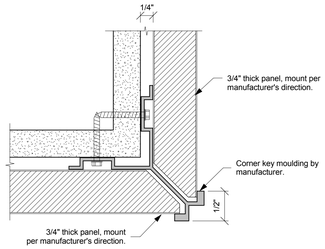
Drawing Title: FLOOR FINISH PLAN
Approved: Project Director

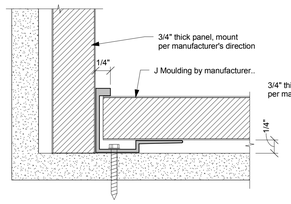
Project Title: CLC Common Area Connector
Location: Chillicothe, Ohio
Date: NOVEMBER 13, 2013
Checked: WS
Drawn: KG/MA

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00
Building Number: 210/211
Drawing Number: AF101-F
Dwg.27 of 70

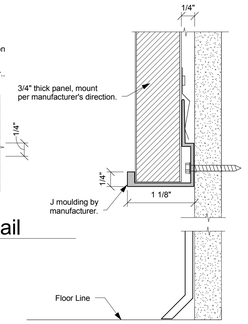
Office of Construction and Facilities Management
Department of Veterans Affairs



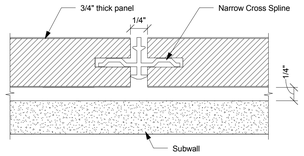
10 WD-1 Outside Corner Detail
Scale: 12" = 1'-0"



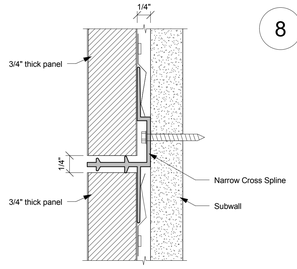
9 WD-1 Inside Corner Detail
Scale: 12" = 1'-0"



8 WD-1 Bottom Detail
Scale: 12" = 1'-0"



12 WD-1 Vertical Reveal Detail
Scale: 12" = 1'-0"



11 WD-1 Horizontal Reveal Detail
Scale: 12" = 1'-0"

FINISH LEGEND				
MARK	FINISH TYPE	MANUFACTURER	PRODUCT / COLOR	COMMENTS
CEILING FINISHES				
ACT-1	ACOUSTICAL CEILING	ARMSTRONG	ACOUSTICAL CEILING TILE	
P-7	PAINT	SHERWIN WILLIAMS	CEILING WHITE	GLOSS LEVEL 1
FLOOR FINISHES				
CPT-1	CPT-1	BENTLEY	AVANT GARDIA 8AD30, RENDERING 880229, 24" X 24"	INSTALLATION : QUARTERN TURN
PT-1	PORCELAIN TILE	DALTILE	CONTINENTAL SLATE, CS50 EGYPTIAN BEIGE, 6" X 6"	
PT-5	PORCELAIN TILE	AMERICAN OLEAN	ARBOR HOUSE, BIRCH BEIGE AH50, 6" X 24"	
PT-6	PORCELAIN TILE	AMERICAN OLEAN	ARBOR HOUSE, WARM CHERRY AH52, 6" X 24"	
PTB-1	PORCELAIN BULLNOSE TILE	AMERICAN OLEAN	ARBOR HOUSE,BULLNOSE S-46F9, BIRCH BEIGE AH50, 6" X 24"	
RB-1	RUBBER BASE	JOHNSONITE	CLAY 09, 6"	
RB-2	RUBBER BASE	JOHNSONITE	SANDALWOOD 45 , 6"	
RST-1	RUBBER BASE	JOHNSONITE	BAMBOO TREAD W/ INTEGRATED RISER RTR-BMRT-09 CLAY	
VCT-1	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS, ALMONDINE 133	
VCT-2	VINYL COMPOSITION TILE	MANNINGTON	ESSENTIALS, SIERRA 268	
VPF-1	VINYL PLANK FLOORING	CENTIVA	EVENT PLANK, WP 3305-E, AMERICAN CHERRY, 4" X 36"	
WO-1	WALK OFF CARPET	INTERFACE	SUPER FLOR, STYLE: 6090002504, MID BROWN 609023	
MISCELANEOUS FINISHES				
SS-1	SOLID SURFACE	HANEX	BRIONNE MAYFAIR BL-007	WINDOW STOOLS
WALL FINISHES				
P-1	PAINT	SHERWIN WILLIAMS	SOFTER TAN SW6141	GLOSS LEVEL 3
P-2	PAINT	SHERWIN WILLIAMS	MACADAMIA, SW 6142	GLOSS LEVEL 3
P-3	PAINT	SHERWIN WILLIAMS	HARDWARE SW6172	GLOSS LEVEL 3
P-4	PAINT	SHERWIN WILLIAMS	DECOROUS AMBER SW0007	GLOSS LEVEL 3
P-5	PAINT	SHERWIN WILLIAMS	LANYARD SW7680	GLOSS LEVEL 3
P-6	PAINT	SHERWIN WILLIAMS	DAPPER TAN SW6144	DOOR FRAMES/GLOSS 5
PL-1	PLASTIC LAMINATE	NEVAMAR	ROLLIN' ROCK RK2002T TEXTURED, ARMORED PROTECTION	*DEDUCT ALTERNATE ONE - SEE DEDUCT LEGEND ON AF101-W*
PT-2	PORCELAIN TILE	DALTILE	CONTINENTAL SLATE, CS50 EGYPTIAN BEIGE, 12" X 12"	
PT-3	PORCELAIN TILE ACCENT	DALTILE	CONTINENTAL SLATE, CS71 DECORATIVE ACCENT, 4" X 12"	
PT-7	PORCELAIN TILE	DALTILE	DEL MONOCO, ADRIANA ROSSO DM91, 13" X 20"	
ST-1	STONE	ANATOLIA TILE	SEIRRA LEDGESTONE 76-326, 6" X 24"	*DEDUCT ALTERNATE TWO - SEE DEDUCT LEGEND ON AD101-W*
ST-2	STONE	ANATOLIA TILE	SEIRRA LEDGESTONE CORNER 76-327, 6" X 24"	*DEDUCT ALTERNATE TWO - SEE DEDUCT LEGEND ON AD101-W*
WC-1	WOOD WALLCOVERING	CRAFT WOOD COLLECTION	REAL WOOD WALLCOVERING, F/C WHITE OAK, CLOTH BACK, POLISHED FINISH	*DEDUCT ALTERNATE TWO - SEE DEDUCT LEGEND ON AD101-W*
WD-1	WOOD WALLCOVERING	MARLITE	WILD CHERRY	*DEDUCT ALTERNATE TWO - SEE DEDUCT LEGEND ON AD101-W*
WALL PROTECTION				
CG-1	CORNER GUARD	C.S. ACROVYN	SM-20N, BEIGE 103	
CG-2	CORNER GUARD	C.S. ACROVYN	SM-20N, GINGERSPICE 193	
CR-1	CRASH RAIL	C.S. ACROVYN	SCR-48N, BEIGE 103	
HR-1	HAND RAIL	C.S. ACROVYN	HRB-10C HANDRAIL:#373, ACCENT: #103, GUARD: #372	
HR-2	HAND RAIL	C.S. ACROVYN	P-RAN HANDRAIL: #373, BRACKET: MATCH P-6.	
WP-1	SHEET WALL PROTECTION	C.S. ACROVYN	0.060 RIGID ACROVYN 4000 SHEET, BEIGE 103	
WP-2	SHEET WALL PROTECTION	C.S. ACROVYN	0.060 RIGID ACROVYN 4000 SHEET, GINGER SPICE 193	

GENERAL FINISH PLAN NOTES

A. See Sheet AF601 for Finish Materials Legend.
B. See Sheet AF601 for Room Finish Schedule.
C. See Interior Elevations on Sheet A401 for further information.
D. For the limits of temporary partitions see Phasing Plans.
E. Determine exact limits of new finishes in 210 & 211 with COTR prior to beginning construction.
F. All solid surface window sills and stools to be SS-1.
G. Manufacturer information provided for material type/finish/color is for reference only. Other equal product shall be considered by the VA if the product meets specification and general intent of color compatibility.
H. All exposed steel is to be painted to match adjacent wall color. Any questions regarding color should be coordinated with VA Interior Designer.
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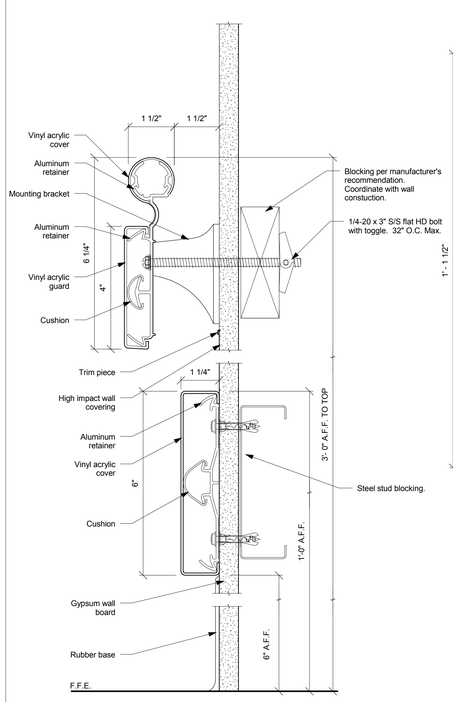
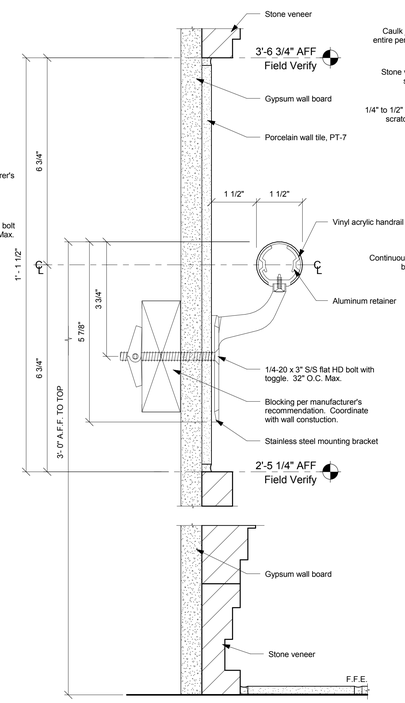
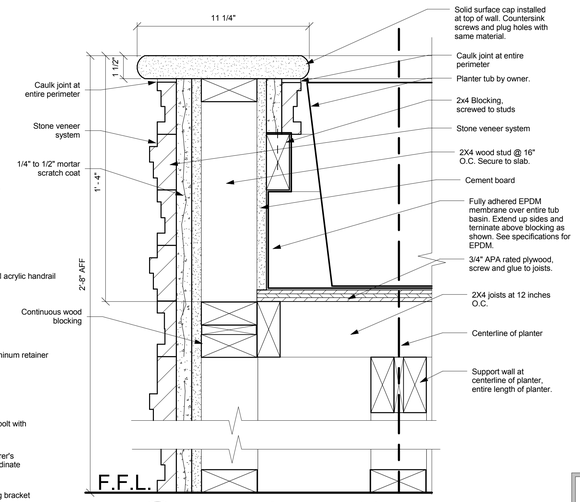


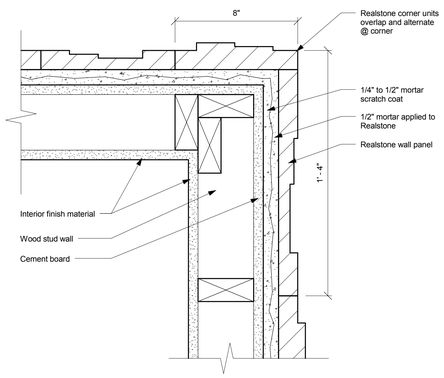
14 Hand Rail / Crash Rail Detail
Scale: 6" = 1'-0"



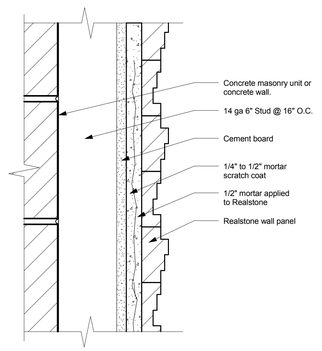
13 HR-2 Handrail Detail
Scale: 6" = 1'-0"



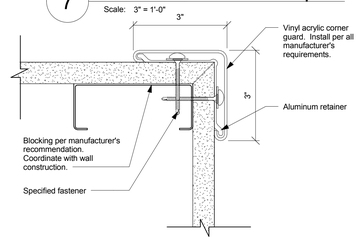
7 Planter Section w/ Cap
Scale: 3" = 1'-0"



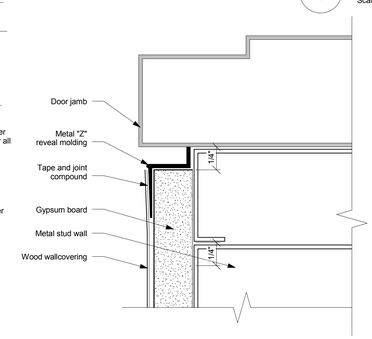
6 Planter Corner Detail
Scale: 3" = 1'-0"



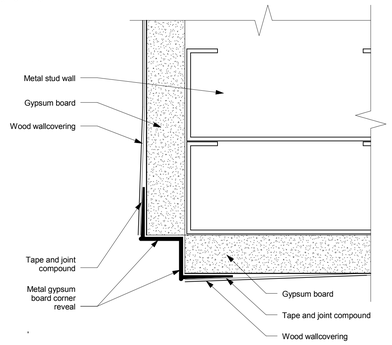
5 Stone Section
Scale: 3" = 1'-0"



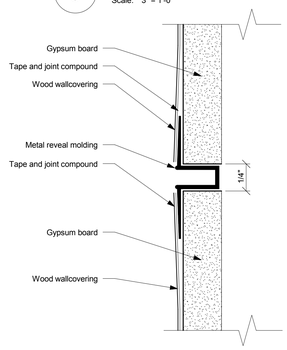
4 CG-1 Corner Guard Detail
Scale: 6" = 1'-0"



3 WC-1 Inside Corner Detail
Scale: 12" = 1'-0"



2 WC-1 Outside Corner Detail
Scale: 12" = 1'-0"



1 WC-1 Reveal Molding
Scale: 2" = 1'-0"

FULLY SPRINKLERED

NOTE : COLOR & FINISHES AS LISTED IN THE LEGEND ARE NOT BRAND NAME JUSTIFICATIONS. COLORS AND FINISHES AS LISTED, ARE FOR AESTHETIC REFERENCE ONLY.

Revisions	Date

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Drawing Title: FINISH LEGEND AND DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: WS | Drawn: KG/MA

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: AF601
Dwg.28 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED

STRUCTURAL STEEL FRAMING NOTES

1. SEE SHEETS S002 AND S003 FOR TYPICAL DETAILS.

2. UNDIMENSIONED MEMBERS TYPICALLY ARE EQUALLY SPACED BETWEEN DIMENSIONED MEMBERS.

3. COORDINATE SIZES AND LOCATIONS OF ALL FLOOR AND ROOF OPENINGS/SLEEVES WITH ARCHITECTURAL AND MECHANICAL REQUIREMENTS.

4. FABRICATOR TO COMPLETE THE DESIGN OF ALL CONNECTIONS NOT DETAILED ON THE STRUCTURAL DRAWINGS. SEE GENERAL NOTES AND PROJECT SPECIFICATIONS.

5. ALL SHEAR CONNECTIONS TO COLUMNS ARE TO BE AISC DOUBLE ANGLE CONNECTIONS U.N.O. WITH THE MINIMUM ROWS OF BOLTS = BEAM DEPTH IN INCHES DIVIDED BY 4.5 SPACED 3" MINIMUM O.C.

6. UNLESS INDICATED OTHERWISE, SHEAR CONNECTIONS AT PURLINS TO GIRDERS MAY BE AISC SINGLE SHEAR CONNECTIONS WITH A MAXIMUM ECCENTRICITY OF 3" AND MINIMUM ROWS OF BOLTS = BEAM DEPTH IN INCHES DIVIDED BY 4, SPACED 3" MINIMUM O.C. SINGLE SHEAR CONNECTIONS SHALL HAVE HORIZONTAL SHORT SLOTTED HOLES TO THE SUPPORTED BEAM AND STANDARD HOLES TO THE SUPPORTING GIRDER.

7. FORCES INDICATED ON THE DRAWINGS ARE FACTORED FOR LRFD DESIGN. DESIGN BEAM CONNECTION FOR FORCES INDICATED ON THE PLANS. BRACING ELEVATIONS AND DETAILS MAY ALSO SHOW REQUIRED FORCES WHICH ARE ADDITIVE. FORCES ARE INDICATED AS :

A = AXIAL END REACTION, KIPS
V = VERTICAL END REACTION, KIPS.
M = END MOMENT, FOOT KIPS.

8. D.B. = DECK BEARING.

9. U.N.O. = UNLESS NOTED OTHERWISE.

10. "C=" INDICATES CAMBER IN INCHES. TOLERANCE PER AISC. IF NOT INDICATED, FABRICATE WITH NATURAL CAMBER UP.

11. COMPOSITE SHEAR CONNECTORS TO BE 3/4" DIA. HEADED STUDS, 4" LONG U.N.O. PROVIDE ADDITIONAL STUDS SO THAT THE MAXIMUM INSTALLED SPACING DOES NOT EXCEED 24" O.C., REGARDLESS OF QUANTITY INDICATED. IF NONE ARE INDICATED, PROVIDE AT 24" O.C. ON ALL BEAMS WITH CONCRETE SLABS.

12. W18x35 (16) - A SINGLE NUMBER GIVEN WITH A BEAM SIZE INDICATES TOTAL NUMBER OF STUDS EVENLY SPACED ALONG BEAM OR GIRDER.

13. [SI638] INDICATES QUANTITIES OF STUDS TO BE EVENLY SPACED ALONG GIRDER BETWEEN INTERSECTIONS PURLINS/COLUMNS.

14. SCHEDULE ERECTION SEQUENCE AND/OR PROVIDE ADDITIONAL TEMPORARY VERTICAL BRACING SO THAT ALL PORTIONS OF THE STRUCTURAL FRAME ARE BRACED FOR LATERAL LOADS. HORIZONTAL DECK DIAPHRAGMS ARE TO BE COMPLETED BETWEEN STABILIZING BRACES PRIOR TO CONCRETE PLACEMENT.

15. ROOF AND FLOOR DECK IS TO BE CONTINUOUSLY SUPPORTED AT EACH END OF DECK SPAN. PROVIDE ADDITIONAL L3x3x1/4 DECK SUPPORT ANGLES WHERE REQUIRED.

16. ALL FRAMING CONNECTIONS, GROUTING OF COLUMN BASE PLATES, AND INSPECTIONS TO BE COMPLETED PRIOR TO CASTING SLAB.

17. SLABS ON METAL DECK TO BE CAST LEVEL, WITH MINIMUM THICKNESS OVER BEAMS AS SHOWN ON DRAWINGS. CHECK MINIMUM SLAB THICKNESS AT BEAM QUARTER POINTS USING DEPTH GAGES AND SCREED PINS AFTER BEAM IS FULLY LOADED WITH CONCRETE. PROVIDE AN ASSUMED EXTRA 1/2" OF CONCRETE TO ACCOUNT FOR METAL DECK AND BEAM DEFLECTION. PURLINS AND GIRDERS ARE UNSHORED DURING SLAB PLACEMENT. AFTER PLACEMENT, FINISH SLABS TO REQUIRED TOLERANCES. REFER TO SPECIFICATIONS.

18. CONTRACTOR IS RESPONSIBLE TO PROVIDE A FINISHED SLAB EDGE WHICH IS STRAIGHT, TRUE, AND ACCURATELY LOCATED RELATIVE TO FINISH WALL LINES. GAGES SHOWN FOR CLOSURE ANGLES ARE THE MINIMUM REQUIRED. HEAVIER GAGE, STRAPS, AND/OR A RETURN LIP AT TOP OF ANGLE MAY BE USED AT CONTRACTOR'S OPTION. WELD CLOSURE ANGLES TO DECK/BEAM AT 12" MAXIMUM O.C. OR AS REQUIRED TO PREVENT TORSIONAL DEFLECTION OF ANGLE.

19. ALL ANGLES/MEMBERS SUPPORTING THE BUILDING FACADE, ARCHITECTURAL WALLS OF MASONRY OR GLASS, AND ITEMS NOTED "MASONRY SUPPORT" OR "CFMF SUPPORT" ARE CONSIDERED 'ADJUSTABLE ITEMS' AND ARE TO BE LOCATED WITHIN 3/8" OF THEIR DESIGN VERTICAL AND HORIZONTAL LOCATION RELATIVE TO THE ESTABLISHED FINISH WALL LINE, FINISH FLOOR LINE, AND MASONRY COURSING.

GENERAL NOTES

CODES AND SPECIFICATIONS

1. INTERNATIONAL BUILDING CODE, 2009.

2. DEPARTMENT OF VETERAN AFFAIRS SEISMIC DESIGN REQUIREMENTS (H-18-8 AUGUST 2013)

3. ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.

4. AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.

5. ANSI/AWS STRUCTURAL WELDING CODE - STEEL D1.1

FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED UPON THE RECOMMENDATIONS INCLUDED IN A REPORT BY TERRACON, DATED OCTOBER 5, 2012.

2. FOUNDATION ELEVATIONS ARE ESTIMATED AND ARE FOR BIDDING PURPOSES ONLY, AND MAY VARY TO SUIT SUBSURFACE SOIL CONDITIONS.

3. ALL BEARING SURFACES SHALL BE UNDISTURBED, LEVEL (WITHIN 1 IN 12), AND SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE. UNLESS APPROVED OTHERWISE BY THE GEOTECHNICAL ENGINEER, ALL FOOTINGS ARE TO BE POURED NEAT (WITHOUT SIDE FORMS) WHERE SOILS PERMIT, OTHERWISE SIDES SHALL BE FORMED.

4. COLUMN FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 4000 PSF ON NATURAL SOIL; WALL FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 3000 PSF ON NATURAL SOIL. SOILS UNSUITABLE FOR SUPPORTING FOUNDATIONS SHALL BE REMOVED AS DIRECTED BY CONTRACTOR'S GEOTECHNICAL TESTING CONSULTANT, AND BACKFILLED TO DESIGN BEARING ELEVATION WITH LEAN CONCRETE.

5. SET COLUMN DOWELS AND ANCHOR BOLTS WITH TEMPLATE PRIOR TO CONCRETING.

CONCRETE

1. CONCRETE STRENGTHS:

A. FOOTINGS, AND GRADE BEAMS: 3000 PSI

B. TYPICAL CONCRETE UNLESS NOTED OTHERWISE: 4000 PSI

C. EXTERIOR CONCRETE EXPOSED TO WEATHER U.N.O: 4500 PSI AE

D. INTERIOR CONCRETE SLABS ON METAL DECK: 4000 PSI LW

E. BACKFILL (LEAN) CONCRETE: 1500 PSI

2. PROVIDE 3/4" BEVELS AT CORNERS OF ALL COLUMNS, EDGES OF EXPOSED BEAMS AND TOP EDGES AND CORNERS OF EXPOSED WALLS.

3. MAXIMUM LENGTH OF WALL POUR BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM AREA OF SLAB POURS NOT TO EXCEED 10,000 SF.

4. JOINTS NOT INDICATED ON STRUCTURAL DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY STRUCTURAL ENGINEER.

5. PLACE NO PERMANENT LOAD, SUCH AS MASONRY WALLS, ON SUPPORTED SLABS UNTIL CONCRETE HAS REACHED SPECIFIED STRENGTH AND ALL SHORING HAS BEEN REMOVED.

6. PLACE NO OPENINGS, SLEEVES, INSERTS, ETC., IN CONCRETE WORK UNLESS CRITERIA INDICATED ON STRUCTURAL DRAWINGS IS MET, OR IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.

7. CONCRETE CONSTRUCTION TOLERANCES ARE AS SHOWN IN THE PROJECT SPECIFICATIONS.

REINFORCING STEEL

1. ALL REINFORCING: 60 KSI YIELD

2. REINFORCE ALL SLABS AS FOLLOWS UNLESS OTHERWISE NOTED, FURNISH MESH IN FLAT SHEETS:

A. SLABS ON METAL DECK: 6x6-W2.9xW2.9 (42#) WWF

B. INTERIOR AND EXTERIOR SLABS ON GROUND: 6x6-W4.0xW4.0 (EPOXY COATED AT EXTERIOR) (58#) WWF

3. PROVIDE TENSION SPLICES UNLESS OTHERWISE NOTED.

4. CLEARANCES BETWEEN REINFORCING BARS AND CONCRETE SURFACES SHALL BE ACI MINIMUM UNLESS OTHERWISE NOTED.

5. PROVIDE MATERIAL AND PLACEMENT OF 1 TON OF CONTINGENCY REINFORCING STEEL, SIZES OF BARS TO BE MIXED. BARS ARE TO BE CUT, BENT, AND PLACED AS DIRECTED BY THE ENGINEER.

STRUCTURAL STEEL

1. MATERIAL:

A. ROLLED SHAPES AND PLATES: ASTM A-36

B. WIDE FLANGES: ASTM A-992, (50 KSI).

C. HOLLOW STRUCTURAL SHAPES (HSS): ASTM A-500, GRADE B

D. STEEL PIPES: ASTM 53, GRADE B

E. HEADED SHEAR STUDS: COMPLY WITH AWS D1.1

2. FIELD BOLTS: ASTM A-325, 3/4" DIAMETER, TENSION-CONTROL, UNLESS NOTED OTHERWISE.

3. ANCHOR BOLTS: ASTM F1554, UNLESS NOTED OTHERWISE.

4. ALL STEEL EXPOSED TO WEATHER INCLUDING EXTERIOR WALL LINTELS SHALL BE HOT DIPPED GALVANIZED AS DESCRIBED IN PROJECT SPECIFICATIONS.

5. FABRICATOR TO DESIGN CONNECTION NOT DETAILED:

A. CONNECTIONS ARE TO BE DESIGNED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE AISC LRFD SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC MANUAL, AND THE STRUCTURAL STEEL FRAMING PLANS, NOTES AND DETAILS OF THESE DRAWINGS.

B. CONNECTION CONFIGURATIONS INDICATED ON THE PLANS, NOTES AND DETAILS REPRESENT THE DESIGN INTENT. ITEMS SPECIFICALLY INDICATED: WELDS, STIFFENERS, BRACES, ETC. MUST BE PROVIDED AT MINIMUM AS SHOWN. ADDITIONAL DESIGN AND DETAILING OF CONNECTION, INCLUDING CONSIDERATION OF MEMBER THICKNESS, HOLES, CUTS, COPES, AND THE EFFECTS OF CONCENTRATED FORCES SHALL BE PROVIDED BY THE CONTRACTOR.

C. UNLESS SPECIFIC REACTIONS, MOMENTS, SHEARS, AND AXIAL FORCES ARE INDICATED, DESIGN BEAM CONNECTIONS FOR REACTIONS DUE TO THE MAXIMUM UNIFORM LOAD THE BEAM CAN SUPPORT AT ITS SPAN, AS SHOWN IN THE AISC MANUAL FOR SPECIFIED YIELD STRENGTH.

METAL FLOOR AND ROOF DECK

1. ALL WORK SHALL CONFORM TO STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR COMPOSITE STEEL FLOOR DECK, NON-COMPOSITE STEEL FORM DECK, STEEL ROOF DECK.

2. MATERIAL (GALVANIZED STEEL PER PROJECT SPECIFICATIONS):

A. 2" DEEP, 20 GAGE (MINIMUM) COMPOSITE METAL FLOOR DECK.

B. 1 1/2" DEEP, 18 GAGE (MINIMUM) METAL ROOF DECK.

3. ATTACHMENT OF FLOOR DECK: WELD TO ALL SUPPORTS WITH 5/8" DIAMETER FUSION WELDS AT 6" AT ALL END LAPS, AND AT 12" ON CENTER AT ALL INTERMEDIATE SUPPORTS AND EDGES PARALLEL WITH DECK FLUTES. WELD SIDE LAPS AT 36" MAXIMUM SPACING.

COORDINATION

1. FIELD VERIFY EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT FABRICATION PRIOR TO SUBMITTAL OF SHOP DRAWINGS OR FABRICATION.

2. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS, SLEEVES, FLOOR PITCHES, FILLS, AND DEPRESSIONS.

3. STRUCTURAL FRAMING PLANS ARE TYPICALLY DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE SLAB SHOWN.

4. ALL FRAMING MEMBERS PROVIDED FOR MECHANICAL TRADES, ELEVATOR SUPPORT BEAMS, LINTELS, ROOF OPENINGS, ETC., ARE FOR BIDDING PURPOSES ONLY. SUBMIT MANUFACTURER'S DATA FOR THE PROPOSED EQUIPMENT TO STRUCTURAL ENGINEER PRIOR TO SUBMITTAL OF SHOP DRAWINGS FOR VERIFICATION OR REDESIGN OF SUPPORTS.

CONSTRUCTION

1. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.

2. DO NOT BACKFILL FOUNDATION WALLS SPANNING BETWEEN BASEMENT SLABS AND STRUCTURAL FLOORS UNTIL SUPPORTING SLABS ARE IN PLACE.

3. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR, AND ROOF OPENINGS PRIOR TO SUBMISSION OF SHOP DRAWINGS. SHOW ALL OPENINGS ON SHOP DRAWINGS.

4. PLACEMENT OF CONDUITS IN CONCRETE SHALL ADHERE TO THE FOLLOWING:

A. OUTSIDE DIAMETER OF CONDUITS SHALL BE 1" OR LESS WHERE EMBEDDED IN SLABS AND JOISTS, AND 1 1/2" OR LESS WHERE EMBEDDED IN BEAMS, WALLS, OR COLUMNS.

B. BUNCHING OF CONDUITS IS NOT PERMITTED. CONDUITS SHALL BE SPACED 3 DIAMETERS OR GREATER ON CENTER.

C. LONGITUDINAL PLACEMENT OF CONDUITS IN INDIVIDUAL JOISTS AND BEAMS SHALL BE LIMITED TO ONE CONDUIT PER JOIST AND THREE CONDUITS PER BEAM.

D. MINIMUM CONCRETE COVER ON CONDUITS SHALL BE 1 1/2".

E. ALUMINUM CONDUITS, PIPES, OR SLEEVES ARE NOT PERMITTED.

MECHANICAL LOADS SUPPORTED FROM STRUCTURE

1. LOADS ARE TO BE DISTRIBUTED TO THE STRUCTURE IN A MANNER THAT DOES NOT EXCEED THE LOAD ALLOWANCES NOTED UNDER DESIGN LOADS. ANCHORS ARE TO HAVE AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.

2. LOADS SUPPORTED BY WIDE FLANGE BEAMS ARE TO BE APPLIED IN A MANNER WHICH DOES NOT CAUSE TORSION ABOUT THE LONGITUDINAL AXIS OF THE BEAM.

SAFETY

1. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

2. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

DESIGN LOADS

1. SUPERIMPOSED GRAVITY LOADS

TYPICAL FLOOR

A. LIVE LOAD:

TYPICAL: 100 PSF

B. CEILING AND MECHANICAL ALLOWANCE: 15 PSF

ATTIC LEVEL

A. LIVE LOAD: 100 PSF, INCLUDING ROOF LIVE LOAD

B. CEILING AND MECHANICAL ALLOWANCE: 15 PSF

C. ROOFING MATERIALS ALLOWANCE: 10 PSF

D. LGMF ALLOWANCE: 15 PSF

INDICATED LIVE LOADS ARE UNREDUCED

SNOW LOAD

GROUND SNOW LOAD (Pg) = 20 PSF
SNOW EXPOSURE FACTOR (Ce) = 1.0
SNOW LOAD IMPORTANCE FACTOR (I) = 1.2

2. WIND LOAD

3-SECOND GUST WIND SPEED = 90 MPH
WIND LOAD IMPORTANCE FACTOR (I) = 1.15
WIND EXPOSURE: B

3. EARTHQUAKE DESIGN DATA

DESIGN SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS, Sds = 0.17
DESIGN SPECTRAL RESPONSE ACCELERATION FOR 1-SECOND PERIODS, Sd1 = 0.10
SITE CLASS = D
SITE COEFFICIENT, Fa = 1.6
SEISMIC DESIGN CATEGORY = C
OCCUPANCY CATEGORY = IV
BASIC STRUCTURAL SYSTEM AND SEISMIC RESISTING SYSTEM:
STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
RESPONSE MODIFICATION FACTOR (R) = 3

FIREPROOFING

1. ALL METAL STRUCTURAL FRAMING REQUIRES SPRAY-ON FIREPROOFING OR FIRERATED ENCLOSURE. REFER TO ARCHITECTURAL DOCUMENTS.

QUALITY ASSURANCE

1. THE CONTRACTOR WILL EMPLOY QUALIFIED INSPECTORS TO PERFORM INSPECTIONS IN ACCORDANCE WITH SPECIFICATION SECTION 01 45 29 TESTING LABORATORY SERVICES.

2. THE STRUCTURAL ENGINEER WILL GENERALLY REVIEW THE PROGRESS OF THE WORK, BUT HIS REVIEW SHALL NOT BE CONSTRUED AS SPECIAL INSPECTION.

Revisions	Date

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Drawing Title: GENERAL NOTES

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

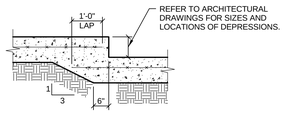
Drawing Number: S001

Dwg. 29 of 70

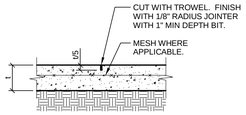
Office of Construction and Facilities Management

Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED

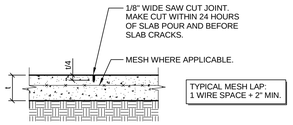


S.O.G. DEPRESSION



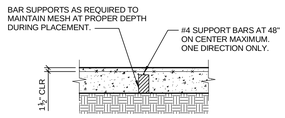
TOOLED CONTROL JOINT

(EXTERIOR SLABS, UNLESS NOTED OTHERWISE.)

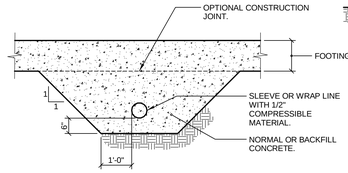


SAWED CONTROL JOINT

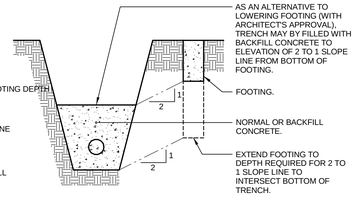
(INTERIOR SLABS, UNLESS NOTED OTHERWISE.)



TYPICAL REINFORCED S.O.G.

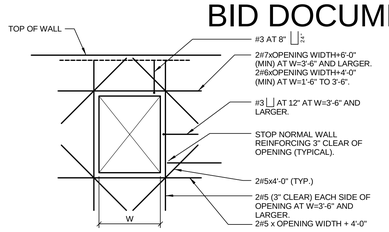


PERPENDICULAR TO FOOTING



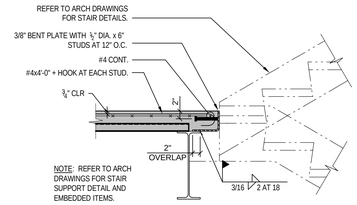
PARALLEL WITH FOOTING

MECHANICAL LINES ADJACENT TO FOOTINGS



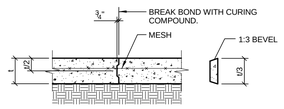
NOTES:
1. SLEEVE OPENINGS 18" AND SMALLER REQUIRE NO ADDITIONAL REINFORCEMENT. PLACE DETAILED REINFORCEMENT (HORIZ. AND VERT.) EACH SIDE OF SLEEVE, 3" CLEAR.
2. FOR SINGLE LAYER WALLS USE SINGLE BARS AS SHOWN.
3. AT ROUND OPENINGS PLACE DIAGONAL BARS 3" CLEAR.
4. REINFORCE OPENINGS PER THIS DETAIL UNLESS OTHERWISE SHOWN.
5. ADD INTERRUPTED HORIZONTAL AND VERITCAL REINFORCEMENT ABOVE/BELOW AND ON EACH SIDE, RESPECTIVELY.

WALL OPENING REINFORCEMENT

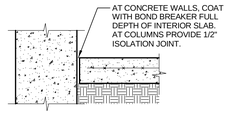


NOTE: REFER TO ARCH DRAWINGS FOR STAIR SUPPORT DETAIL AND EMBEDDED ITEMS.

SLAB EDGE AT STAIR LANDING



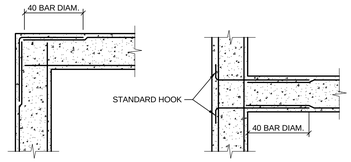
KEYED CONSTRUCTION JOINT



WALL/FLOOR
ISOLATION JOINT

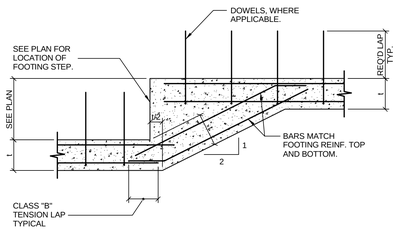
NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR JOINTS AT EXTERIOR PAVEMENTS.
2. MAXIMUM SPACING OF SLAB CONTROL JOINTS IN INTERIOR SLABS SHALL BE 16'-0" EACH WAY UNLESS NOTED OTHERWISE. MAXIMUM SPACING OF CONTROL JOINTS IN EXTERIOR SLABS SHALL BE 5'-0" EACH WAY.
3. ALL CONTROL JOINTS SHALL BE ALIGNED WITH TILE JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
4. INSTALL VAPOR RETARDER UNDER ALL INTERIOR SLABS ON GRADE.
5. PLACE ALL SLABS ON GRADE ON 6" MINIMUM COMPACTED GRANULAR BASE, APPROVED BY THE CONTRACTOR'S GEOTECHNICAL CONSULTANT. REFER TO SPECIFICATION SECTION 01 45 29.

SLAB ON GRADE CONTROL/CONST. JOINTS

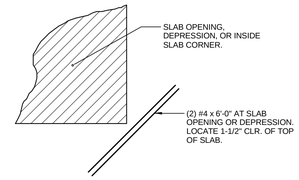


NOTES:
1. CORNER BARS MATCH HORZ. REINFORCEMENT IN SIZE AND SPACING.
2. FOR SINGLE LAYER WALLS USE SINGLE BARS AS SHOWN.

TYP. BARS AT WALL AND FOOTING CORNERS AND INTERSECTIONS

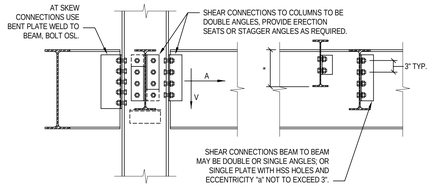


TYPICAL FOOTING STEP
IN CLAY OR FILL



NOTES:
1. DETAIL APPLIES AT BOTH ELEVATED AND SLABS ON GRADE.

TYPICAL BARS AT SLAB CORNER

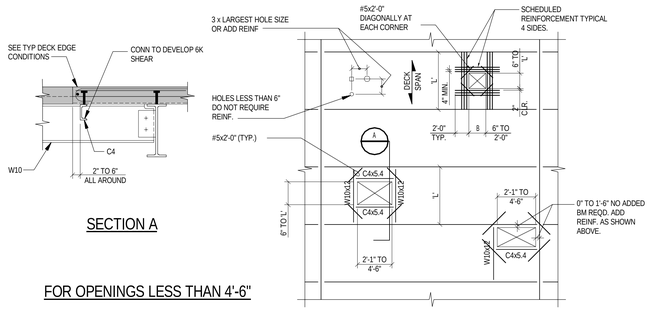


NOTE: FABRICATOR TO PROVIDE CONNECTION TYPES ABOVE AND DESIGN PER AISC MANUAL. USE FORCES INDICATED ON PLAN OR SHEAR FROM UNIFORM LOAD TABLE AT BEAMS SPAN WHERE NOT INDICATED. ROWS OF BOLTS NOT LESS THAN TABLE. PROVIDE DOUBLE ANGLES MINIMUM 1/2" THICK FOR CONNECTIONS WITH AXIAL FORCES.

BEAM DEPTH * (INCHES)	MINIMUM ROWS OF BOLTS BY CONNECTIONS		
	DOUBLE ANGLE BOLT/WELD	DOUBLE ANGLE BOLT/BOLT	SINGLE ANGLE DOUBLE PLATE
8, 10	2	2	2
12	2	3	3
14	3	3	3
16	3	3	4
18	3	4	5
21	4	4	5
24	4	5	6
27	5	5	7
30	5	6	8
33	6	6	8
36	6	7	9
44	8	8	11

* EFFECTIVE BEAM DEPTH WHERE RAISED.

BEAM SHEAR CONNECTIONS



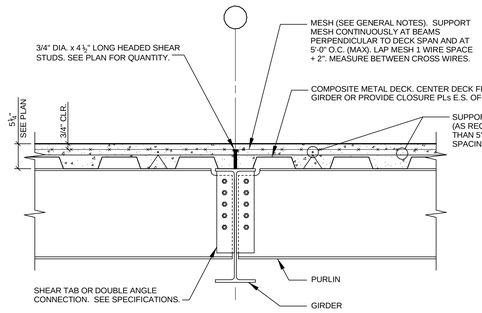
SECTION A

FOR OPENINGS LESS THAN 4'-6"

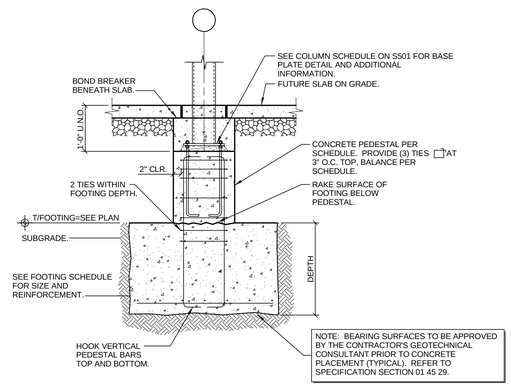
PLAN

NOTES:
1. BLOCK OUT OPENING BEFORE PLACING CONCRETE.
2. REMOVE BLOCKOUT AND CUT DECK AFTER CONCRETE HAS CURED.
3. CONTRACTOR SHALL COORDINATE OPENING SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS AND ARCHITECTURAL DRAWINGS.
4. BOX OUT OPENING. DO NOT CUT DECK UNTIL 7 DAYS AFTER SLAB IS CAST. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING PLACEMENT OF REINFORCEMENT AND CUTTING OF DECK BY OTHER TRADES.
5. ROUGH OPENING SIZE EQUALS DUCT SIZE PLUS 2". REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
6. "B" = OPENING LENGTH PERPENDICULAR TO SLAB SPAN OR DIAMETER FOR SLEEVES. MAXIMUM "B" IS 2'-1". NO LENGTH RESTRICTIONS PARALLEL TO DECK SPAN.
7. MINIMUM CLEAR SPACING BETWEEN OPENINGS PERPENDICULAR TO DECK SPAN IS 2 x "B".
8. REINFORCEMENT :
B = 19" TO 25", USE 3#5 EACH SIDE.
B = 11" TO 19", USE 2#5 EACH SIDE.
B = 6" TO 11", USE 1#5 EACH SIDE.
B = LESS THAN 6", NO REINFORCING REQUIRED.
LENGTH PARALLEL TO DECK SPAN EQUALS DECK SPAN "L" + 4".
LENGTH PERPENDICULAR TO DECK SPAN EQUALS OPENING + 4'-0".
9. CLUSTER OF OPENINGS THAT ARE SPACED AT NO LESS THAN 1'-0" CLEAR SHALL BE TREATED AS ONE LARGE OPENING FOR DETAILING OF REINFORCEMENT.

TYPICAL FLOOR DECK OPENING



TYPICAL SUPPORTED SLAB

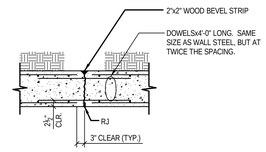


NOTES:
1. FOOTING STEEL AND CONCRETE SHALL BE PLACED THE SAME DAY AS THE FINAL FOOTING EXCAVATION IS MADE.
2. SEE FOOTING DETAILS ON S201 FOR ADDITIONAL INFORMATION.
3. GROUP (6) VERTICAL BARS AT EACH END OF PEDESTAL (2 ROWS AT 6" O.C.).

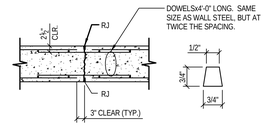
PEDESTAL SCHEDULE

SIZE	VERTICAL REINF.	TIE REINF.
18"x18"	(8) #8	#4 AT 12" O.C.
20"x20"	(8) #8	#4 AT 12" O.C.
22"x22"	(8) #8	#4 AT 12" O.C.
30"x30"	(8) #10	#4 AT 12" O.C.

TYPICAL PEDESTAL DETAIL



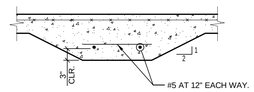
BELOW GRADE



ABOVE GRADE

NOTES:
1. FORM TIES TO BE WITHIN 6" OF ANY JOINT.
2. REFER TO FOUNDATION PLAN FOR CONTROL JOINT LOCATIONS IN BASEMENT WALLS.
3. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING REQUIREMENTS.
4. DETAIL CONTROL JOINTS ON SHOP DRAWINGS.
5. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS.

VERTICAL WALL CONTROL
AND CONSTRUCTION JOINTS



TYPICAL THICKENED S.O.G.

Revisions	Date

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Drawing Title: TYPICAL DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013

Checked: FJE

Drawn: MRB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

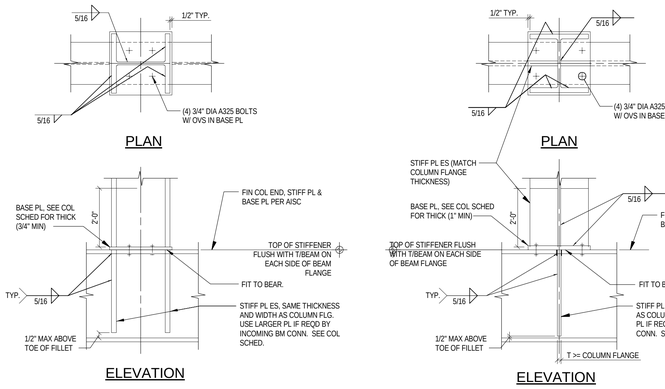
Drawing Number: S002

Dwg. 30 of 70

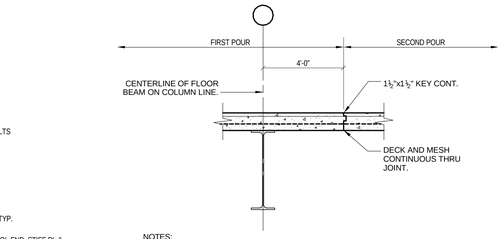
Office of Construction and Facilities Management

Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED

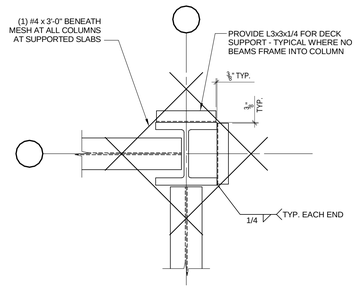


TYPICAL COLUMN SUPPORTED ON BEAM BASE DETAIL

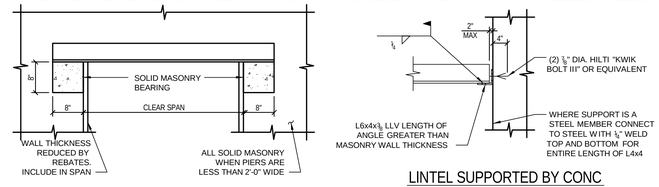


NOTES:
1. LOCATION OF CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION, SUBJECT TO ARCHITECT'S APPROVAL.

SLAB ON METAL DECK CONSTRUCTION JOINT (PERPENDICULAR)



SLAB DETAIL AT COLUMN

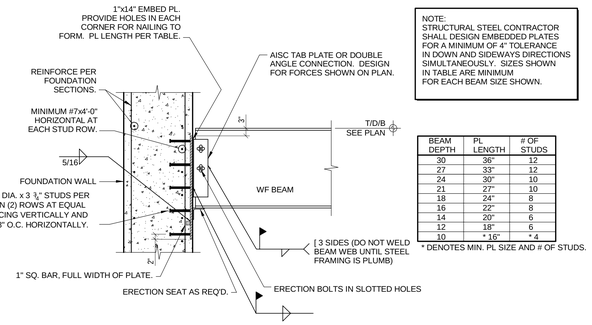


LINTEL SUPPORTED BY CONC OR STEEL MEMBER

WALL THICKNESS (NOM)	CLEAR SPAN				
	UP TO 4'-0"	4'-0" TO 6'-0"	6'-0" TO 8'-0"	8'-0" TO 10'-0"	DETAIL
4"	L3½x3½x¼	L4x3½x5/16	L5x3½x⅜	L5x3½x⅜	L
6"	(2) L2½x3½x¼	(2) L3½x2½x¼	(2) L3½x2½x5/16	(2) L3½x2½x⅜	⊥L 2½ LEGS HORIZ
8"	(2) L3½x3x¼	(2) L3½x3½x¼	(2) L4x3½x5/16	(2) L5x3½x5/16	⊥L 3½ LEGS HORIZ
10"	L4x3x¼ + L5x3x¼	L4x4x¼ + L5x3x¼	L4x4x5/16 + L5x3½x5/16	L4x6x5/16 + L5x5x5/16	⊥L 4 AND 5 LEGS HORIZ
12"	(3) L3½x3x¼	(3) L3½x3½x¼	(3) L4x3½x5/16	(3) L5x3½x5/16	⊥L L

NOTE:
BOLT DOUBLE ANGLES BACK TO BACK USING ⅝" DIA. BOLTS SPACED 18" OR PROVIDE ¼"x2" LONG WELDS SPACED 18" AT TOPAND BOTTOM. DISTANCE FROM FIRST BOLT OR WELD TO END OF LINTEL NOT TO EXCEED 3".

STEEL LINTELS FOR NON-LOAD BEARING WALLS

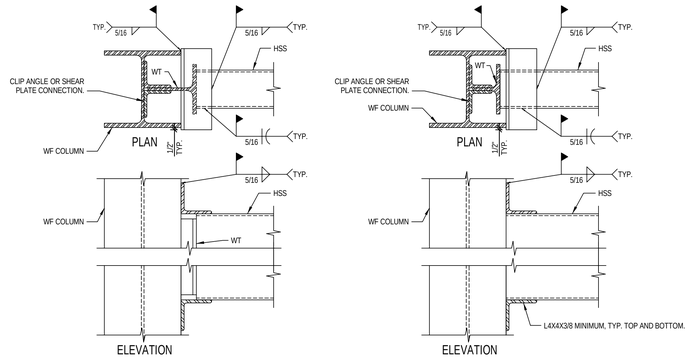


NOTE:
STRUCTURAL STEEL CONTRACTOR SHALL DESIGN EMBEDDED PLATES FOR A MINIMUM OF 4" TOLERANCE IN DOWN AND SIDEWAYS DIRECTIONS SIMULTANEOUSLY. SIZES SHOWN IN TABLE ARE MINIMUM FOR EACH BEAM SIZE SHOWN.

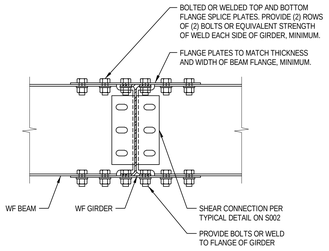
BEAM DEPTH	PL LENGTH	# OF STUDS
30	36"	12
27	33"	12
24	30"	10
21	27"	10
18	24"	8
16	22"	8
14	20"	6
12	18"	6
10	* 16"	* 4

* DENOTES MIN. PL SIZE AND # OF STUDS.

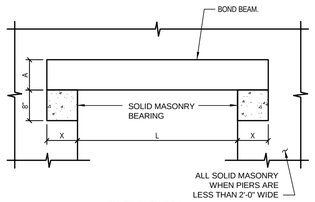
TYPICAL EMBEDDED PLATE CONNECTION



TYPICAL HSS MOMENT CONNECTION

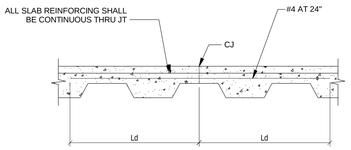


TYPICAL BEAM TO BEAM MOMENT CONNECTION



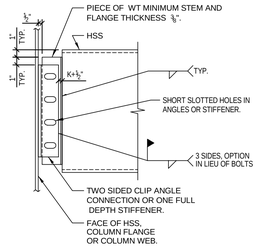
COURSES A	REINF.	CLEAR SPAN L	END BEARING X
1	(2) #5	MAX. 4'-0"	8"
2	(2) #5	MAX. 8'-0"	16"

TYPICAL BOND BEAM LINTEL FOR NON-LOAD BEARING WALLS

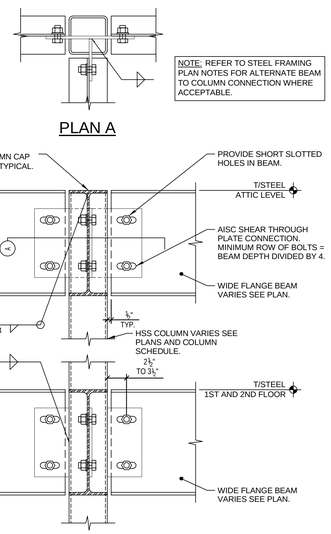


NOTES:
1. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE FORMING.

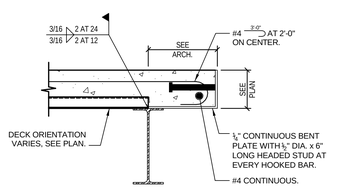
SLAB CONSTRUCTION JOINT (PARALLEL)



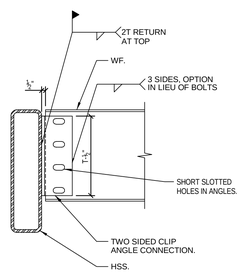
TYPICAL HSS TO HSS OR COLUMN SHEAR CONNECTION



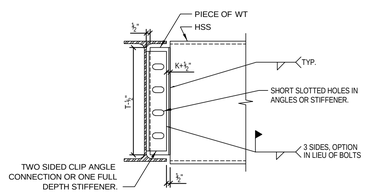
TYPICAL COLUMN TO BEAM CONNECTION



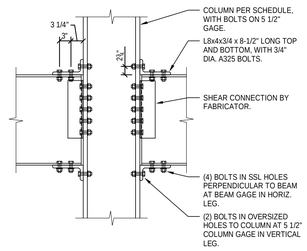
TYPICAL SLAB EDGE DETAIL



WF TO HSS TYPICAL CONNECTION



HSS TO WF TYPICAL SHEAR CONNECTION



FLEXIBLE MOMENT CONNECTIONS

Revisions	Date

CONSULTANTS:

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Drawing Title: TYPICAL DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

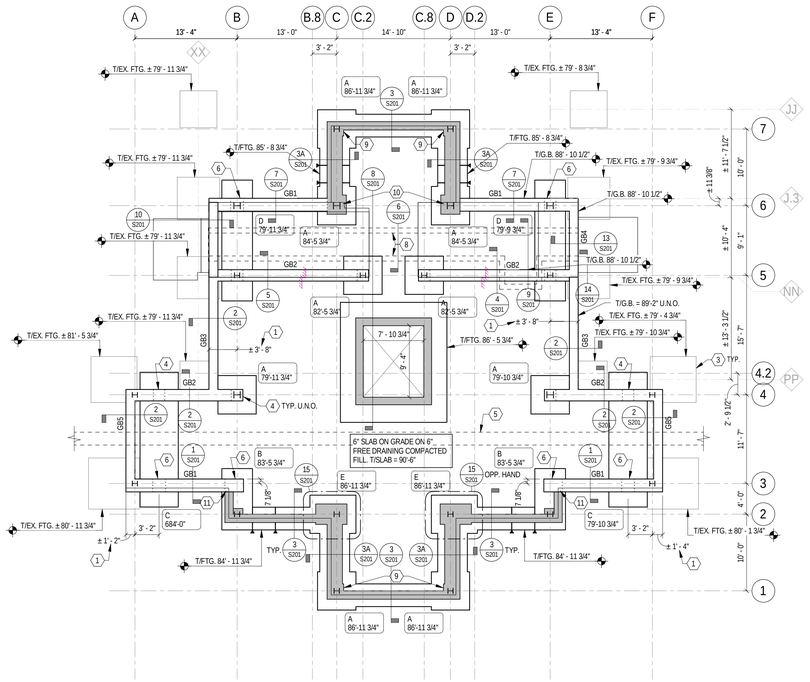
Drawing Number: S003

Dwg. 31 of 70

Office of Construction and Facilities Management

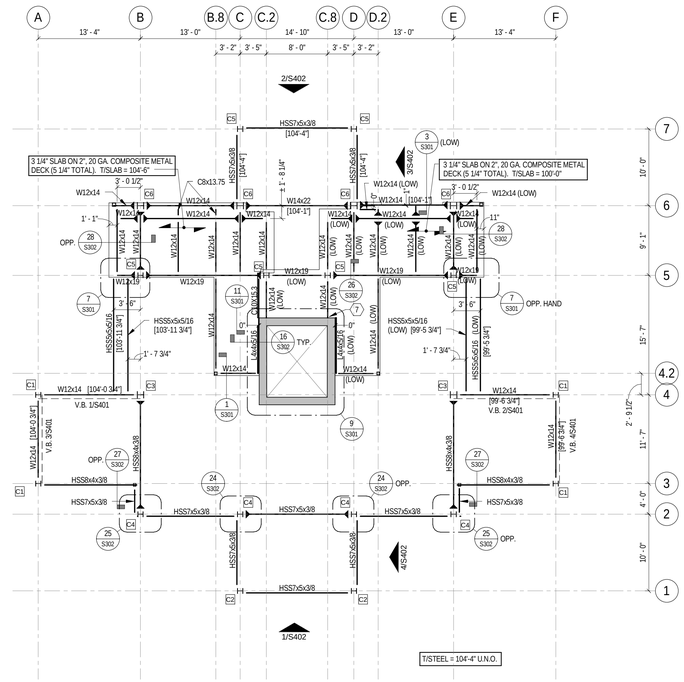
Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED



1 S101 FOUNDATION PLAN
1/8" = 1'-0"

NORTH



2 S101 210 AND 211 FIRST FLOOR FRAMING PLAN
1/8" = 1'-0"

NORTH

DRAWING NOTES:

1. REFER TO S001 SERIES FOR GENERAL NOTES AND TYPICAL DETAILS.
2. REFER TO S200 SERIES FOR FOUNDATION DETAILS.
3. ELEVATION: 100'-0" = 703.15'

KEY NOTES: (X)

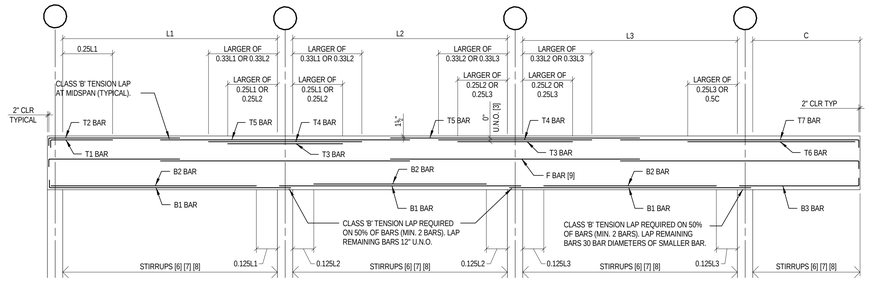
1. DIMENSION IS TO EXTERIOR FACE OF GRADE BEAM. VERIFY DIMENSION FROM COLUMN LINE TO FACE OF EXISTING BUILDING AND PROVIDE 2" EXPANSION JOINT.
2. PROVIDE CONTROL JOINTS IN SLAB ON GRADE AT 16'-0" MAX. EACH WAY, U.N.O.
3. EXISTING FOOTING. DO NOT UNDERMINE DURING EXCAVATION.
4. 18"x18" PIER. T/PIER = T/GRADE BEAM. WHERE NO GRADE BEAM, T/PIER = 692'-6". REFER TO TYPICAL PEDESTAL DETAIL ON S002.
5. EXISTING STEAMLINE. SHORE UP DURING FOUNDATION EXCAVATION.
6. 20"x20" PIER. T/PIER = T/GRADE BEAM. REFER TO TYPICAL PEDESTAL DETAIL ON S002.
7. REFER TO TYPICAL EMBEDDED PLATE CONNECTION DETAIL ON S003.
8. MECHANICAL TUNNEL. REFER TO SECTION 6/S201.
9. 22" x 22" PIER. T/PIER = 89'-6". REFER TO TYPICAL PEDESTAL DETAIL ON S002. FORM SIDES FLUSH WITH WALL ALONG LINES C AND D.
10. 30" x 30" PIER. T/PIER = 89'-6". REFER TO TYPICAL PEDESTAL DETAIL ON S002.
11. WALL CONTINUES UNDER GRADE BEAM. PROVIDE 90 DEG. HOOKS AT END OF WALL, LAP WITH PIER TIES.

LEGEND:

- INDICATES WALL CONTROL JOINT
- INDICATES FOOTING STEP. REFER TO TYPICAL DETAIL ON S002.
- INDICATES FOOTING MARK. REFER TO SCHEDULE BELOW.
- FTG XXX'-XX" — INDICATES TOP OF FOOTING ELEVATION.

FOOTING SCHEDULE

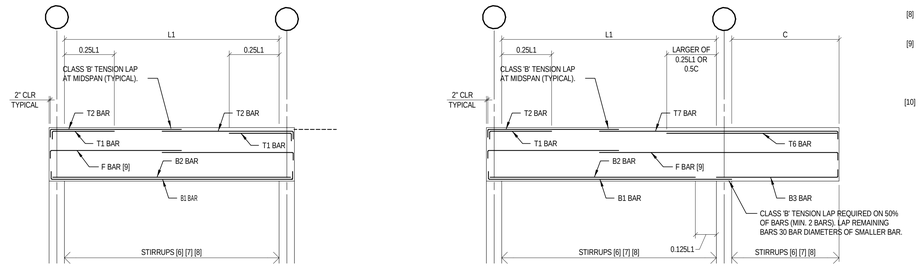
MARK	SIZE	THICKNESS	REINFORCING
A	5'-0"x5'-0"	15"	(8) #6 E.W. BOTTOM
B	4'-0"x8'-0"	15"	(4) #4 LONG TOP, (4) #6 LONG BOTTOM, (25) #4 SHORT BOTTOM
C	5'-0"x17'-7"	16"	(6) #4 LONG TOP, (6) #6 LONG BOTTOM, (18) #4 SHORT TOP, (38) #6 SHORT BOTTOM
D	4'-0"x15'-9"	16"	(4) #4 LONG TOP, (4) #6 LONG BOTTOM, (40) #4 SHORT BOTTOM
E	5'-0"x6'-0"	15"	(8) #6 E.W. BOTTOM



EXTERIOR SPAN
TYPE 1 BEAM

INTERIOR SPAN
TYPE 2 BEAM

EXTERIOR SPAN WITH CANTILEVER
TYPE 3 BEAM



SINGLE SPAN
TYPE 4 BEAM

SINGLE SPAN WITH CANTILEVER
TYPE 5 BEAM

TYPICAL BEAM REINFORCEMENT DIAGRAM NOTES

[1] FOR THE PURPOSE OF ESTABLISHING THE LEFT AND RIGHT HAND SIDE OF A BEAM, THE BEAM IS TO BE VIEWED IN THE SAME ORIENTATION AS THE CORRESPONDING BEAM MARK ON THE FRAMING PLAN.

[2] WHERE TYPE 2, 4, OR 6 BEAM TOP BARS ARE CALLED OUT WITH THE SUBSCRIPT "L" OR "R" IN THE BEAM SCHEDULE, (E.G. T2L, T3L, T2R, OR T3R), THE SUBSCRIPT REFERS TO THE LEFT OR RIGHT SIDE OF THE BEAM RESPECTIVELY. WHERE TYPE 2, 4, OR 6 BEAM TOP BARS ARE CALLED OUT WITHOUT A SUBSCRIPT, THE BARS ARE REQUIRED ON BOTH THE LEFT AND RIGHT SIDES OF THE BEAM.

[3] BARS NOTED WITH AN ASTERISK IN THE SCHEDULE (E.G. "2#7*) SHALL BE PLACED IN A SECOND LAYER. THE BARS IN THE SECOND LAYER ARE TO BE PLACED DIRECTLY ABOVE OR BELOW THE BARS IN THE OUTER LAYER WITH THE DISTANCE BETWEEN LAYERS MAINTAINED AT 1" CLEAR.

[4] PROVIDE 2" CONCRETE COVER TO TIES AND STIRRUPS ON ALL BEAM SURFACES, UNLESS NOTED OTHERWISE.

[5] HOOK TOP AND BOTTOM BARS WHERE SHOWN OR NOTED. PROVIDE STANDARD 90° HOOK OR 180° HOOK WHERE REQUIRED FOR CLEARANCE.

[6] PROVIDE MINIMUM #4 STIRRUPS AT 36" O.C. IN ALL BEAMS WHERE NO STIRRUPS ARE SCHEDULED AND WHERE NOTED "NOMINAL" ON BEAM DIAGRAMS. WHERE STIRRUPS ARE SCHEDULED, PROVIDE STIRRUPS OF SAME SIZE AS THE SCHEDULED STIRRUPS SPACED AT MAXIMUM 36" O.C. BETWEEN THE SCHEDULED STIRRUPS.

[7] PLACE FIRST STIRRUP AT ½ OF THE SCHEDULED SPACING FROM THE FACE OF SUPPORT.

[8] STIRRUPS ARE NOTED AS BEGINNING AT THE SUPPORT EACH END AND PROCEEDING TOWARD THE MIDSPAN.

[9] PLACE ½ OF SCHEDULED FACE BARS (TYPE "F") ON EACH FACE OF BEAM AND SPACE EQUALLY BETWEEN TOP AND BOTTOM BARS. BARS ARE CONTINUOUS WITH CLASS "B" TENSION LAPS LOCATED AT APPROXIMATE MIDSPAN OF BEAM. AT DISCONTINUOUS ENDS, HOOK FACE BARS AT FAR END OF THE SUPPORT OR EMBED 40 BAR DIAMETERS BEYOND THE FACE OF THE SUPPORT UNLESS OTHERWISE NOTED.

[10] FABRICATE BEAM REINFORCEMENT FOR NOMINAL CONCRETE BEAM SIZES NOTED, ALTHOUGH ACTUAL CONCRETE SECTIONS MAY BE WIDER AND/OR DEEPER. UNLESS NOTED OTHERWISE, PLACE BEAM REINFORCEMENT TO MAINTAIN MINIMUM CONCRETE COVER WITHIN NOMINAL BEAM SIZE. SEE "TYPICAL BEAM BAR PLACEMENT" DETAILS FOR REQUIRED ADDITIONAL REINFORCING AT BEAMS WITH ADDITIONAL WIDTH.

GRADE BEAM SCHEDULE

MARK	TYPE	WIDTH	DEPTH	T1	T2	T3	T4	T5	T6	T7	B1	B2	B3	F	STIRRUPS	NOTES
GB1	5	20"	36"	-	(4) #7	-	-	-	-	(4) #7	(4) #7	-	(4) #7	-	#4LJ AT 9" O.C. IN CANTILEVER	
GB2	5	18"	24"	-	(4) #7	-	-	-	-	(4) #7	(4) #7	-	(4) #7	-	#4LJ AT 9" O.C. IN CANTILEVER	
GB3	1	14"	24"	-	(3) #5	-	-	-	-	-	(3) #5	-	-	-		
GB4	1	15"	18"	-	(3) #5	-	-	(3) #5	-	-	(3) #5	-	-	-		
GB5	4	14"	24"	-	(3) #5	-	-	-	-	-	(3) #5	-	-	-		

TYPICAL BEAM REINFORCEMENT DIAGRAMS

Revisions	Date

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Drawing Title: FOUNDATION AND LEVEL 1 PLANS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

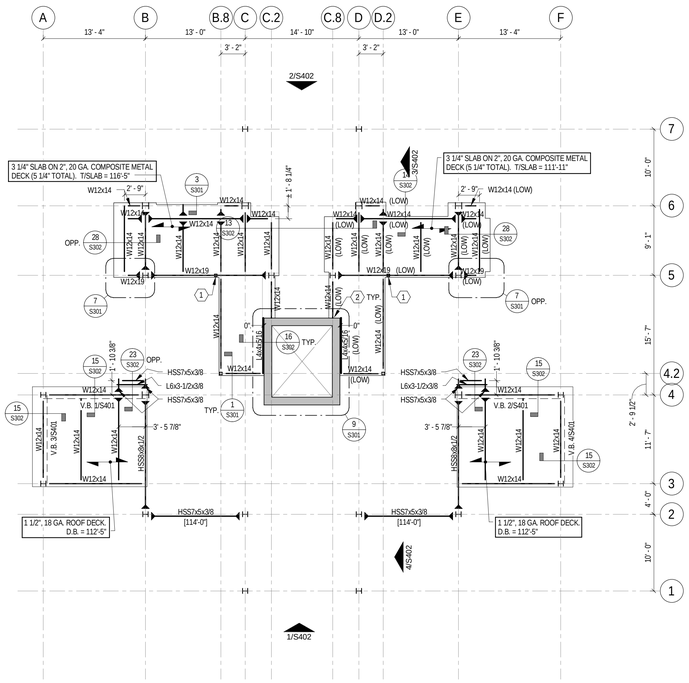
Drawing Number: S101

Dwg. 32 of 70

Office of Construction and Facilities Management

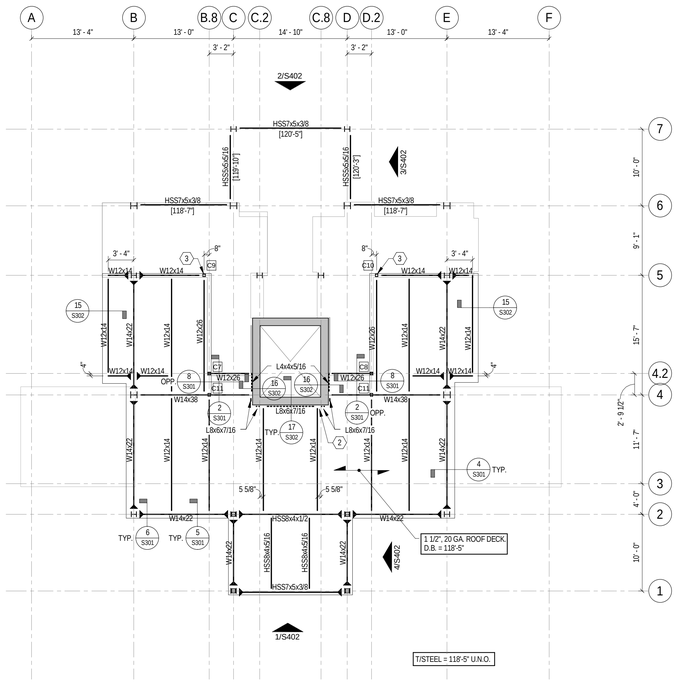
Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED



1 S102 210 AND 211 SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"

NORTH



T/STEEL = 118'-5" U.N.O.

2 S102 LOW ROOF FRAMING PLAN
1/8" = 1'-0"

NORTH

DRAWING NOTES:

1. REFER TO S001 SERIES FOR GENERAL NOTES AND TYPICAL DETAILS.
2. REFER TO S200 SERIES FOR FOUNDATION DETAILS.
3. ELEVATION: 100'-0" = 703.15'

KEY NOTES: (X)

1. REFER TO TYPICAL COLUMN SUPPORTED ON BEAM BASE DETAIL ON S003.
2. REFER TO TYPICAL EMBEDDED PLATE CONNECTION ON S003.
3. HSS4x4 COLUMN PER SCHEDULE ON S501. REFER TO TYPICAL WIDE FLANGE TO HSS COLUMN CONNECTION DETAIL ON S002 FOR CONNECTION.
4. HSS POST. REFER TO FRAMING ELEVATIONS ON S402.

Revisions | Date

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Drawing Title: LEVEL 2 AND LOW ROOF FRAMING PLANS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: S102

Dwg. 33 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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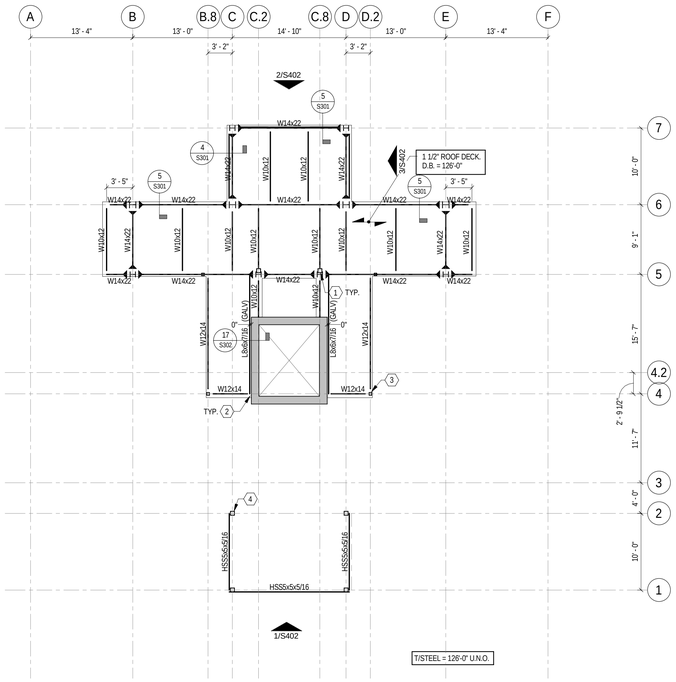
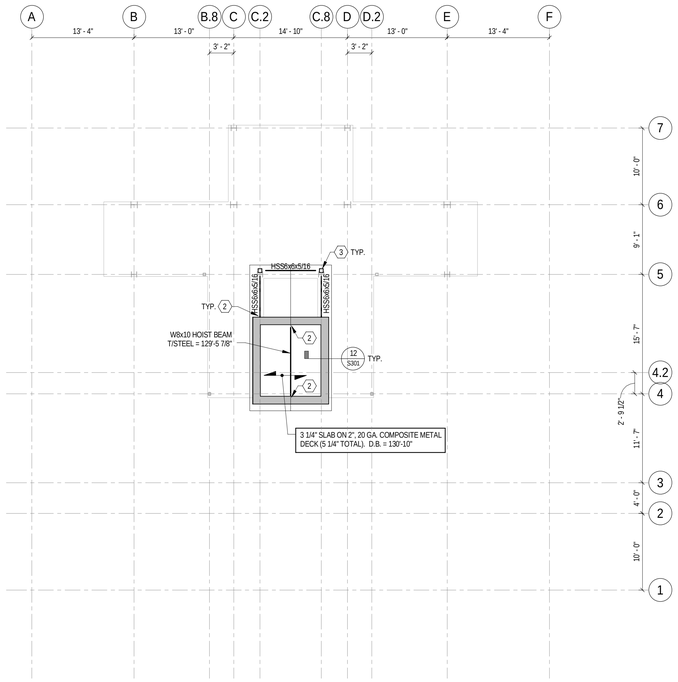


1 S103 ATTIC LEVEL FRAMING PLAN
1/8" = 1'-0"

NORTH



2 S103 PENTHOUSE ROOF FRAMING PLAN
1/8" = 1'-0"

NORTH

DRAWING NOTES:

1. REFER TO S001 SERIES FOR GENERAL NOTES AND TYPICAL DETAILS.
2. REFER TO S200 SERIES FOR FOUNDATION DETAILS.
3. ELEVATION: 100'-0" = 703.15'

KEY NOTES: (X)

1. REFER TO TYPICAL COLUMN SUPPORTED ON BEAM BASE DETAIL ON S003.
2. REFER TO TYPICAL EMBEDDED PLATE CONNECTION ON S003.
3. HSS4x4 COLUMN PER SCHEDULE ON S501. REFER TO TYPICAL WIDE FLANGE TO HSS COLUMN CONNECTION DETAIL ON S002 FOR CONNECTION.
4. HSS POST. REFER TO FRAMING ELEVATIONS ON S402.

Revisions	Date

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Drawing Title: HIGH ROOF AND PENTHOUSE FRAMING PLANS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013

Checked: FJE

Drawn: MRB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: S103

Dwg. 34 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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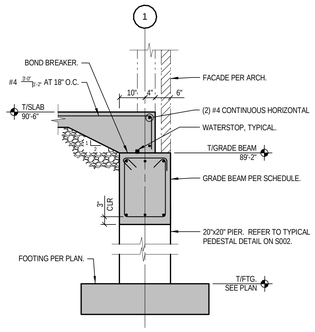

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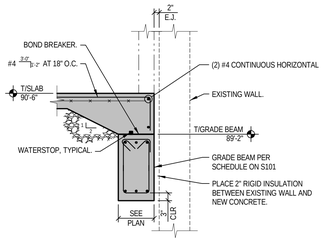

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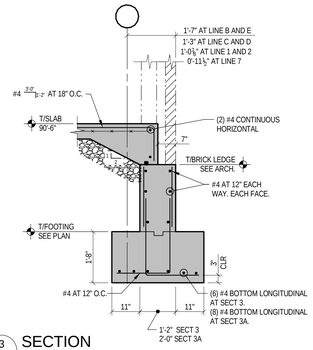
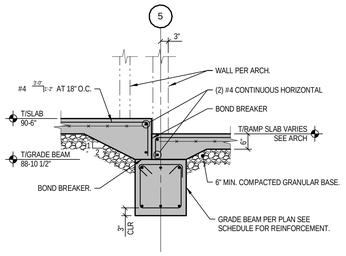


3A S201 3 S201 SECTION 1/2" = 1'-0"



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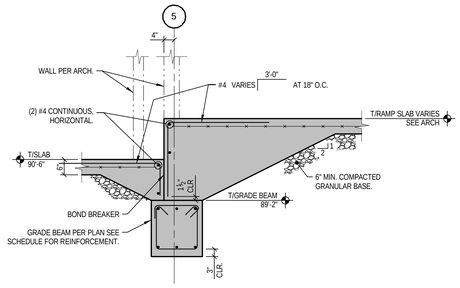

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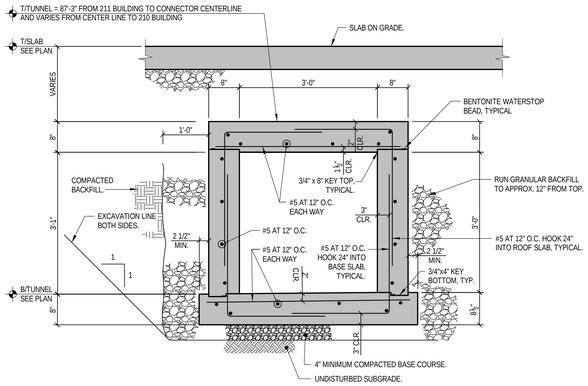

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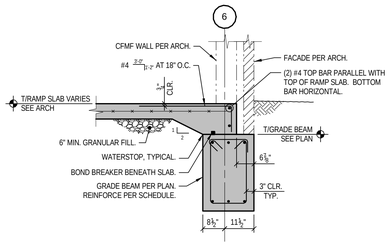

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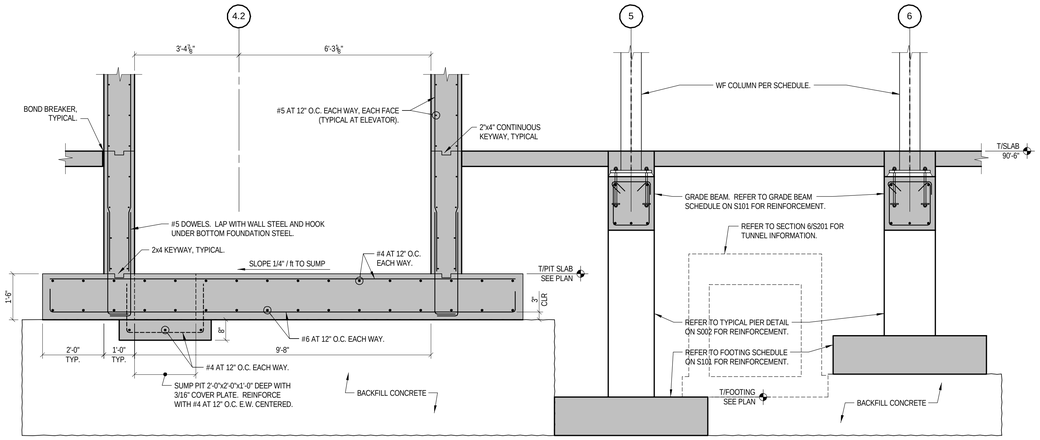

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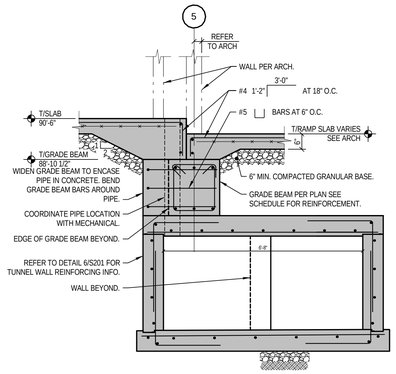
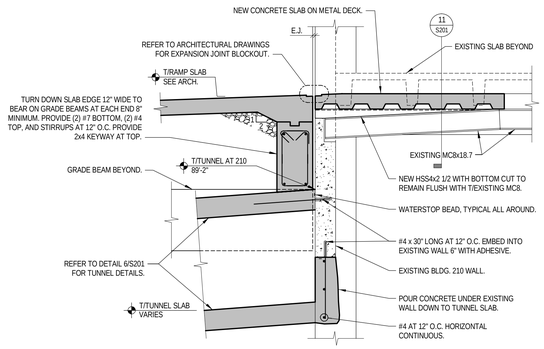


9 S201 SECTION 1/2" = 1'-0"



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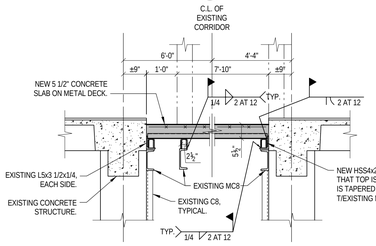

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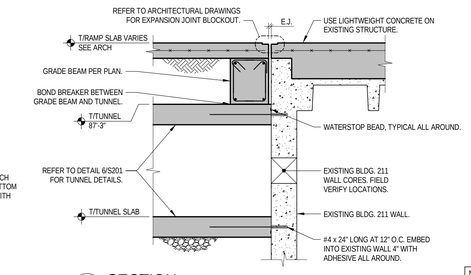
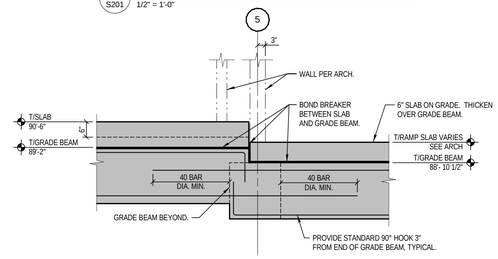
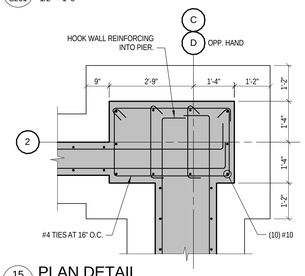


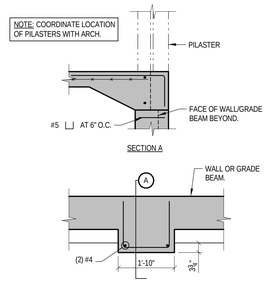
13 S201 SECTION 1/2" = 1'-0"



14 S201 SECTION 1/2" = 1'-0"



15 S201 PLAN DETAIL 1/2" = 1'-0"



16 S201 PLAN DETAIL 1/2" = 1'-0"

Revisions	Date

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Drawing Title: FOUNDATION DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: S201

Dwg. 35 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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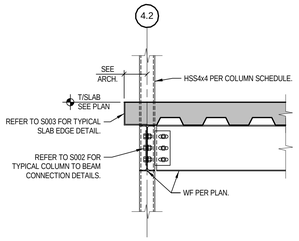
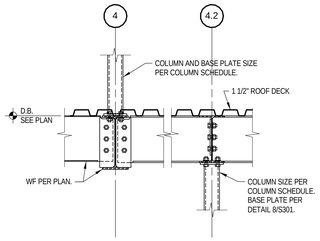
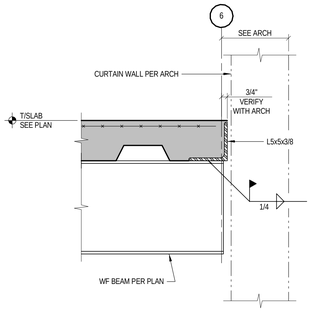


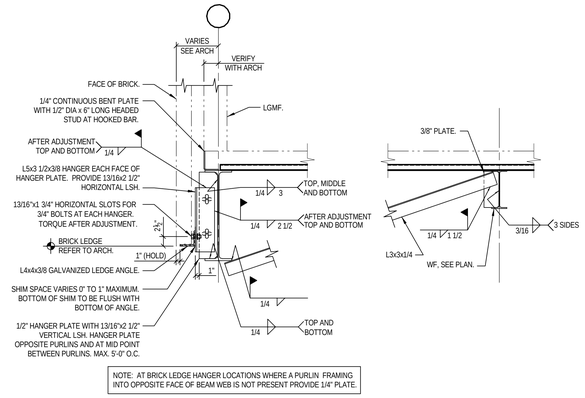
1 SECTION
S301 3/4" = 1'-0"



2 SECTION
S301 3/4" = 1'-0"

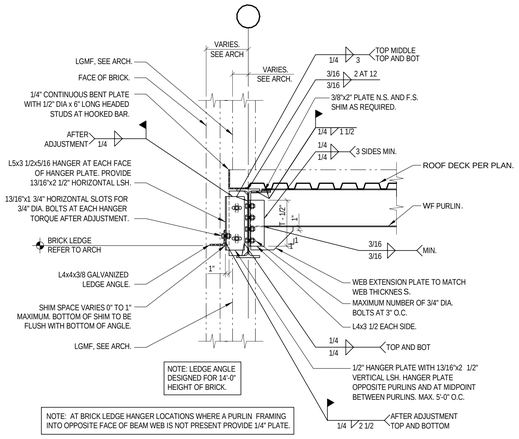


3 SECTION
S301 1 1/2" = 1'-0"



NOTE: AT BRICK LEDGE HANGER LOCATIONS WHERE A PURLIN FRAMING INTO OPPOSITE FACE OF BEAM WEB IS NOT PRESENT PROVIDE 1/4" PLATE.

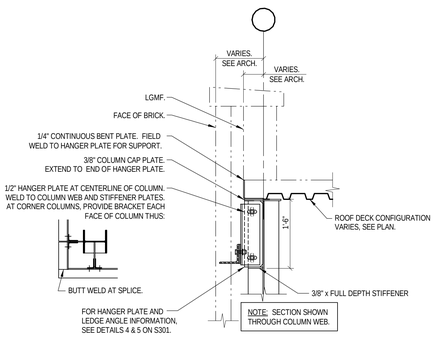
4 SECTION
S301 3/4" = 1'-0"



NOTE: LEDGE ANGLE DESIGNED FOR 14'-0" HEIGHT OF BRICK.

NOTE: AT BRICK LEDGE HANGER LOCATIONS WHERE A PURLIN FRAMING INTO OPPOSITE FACE OF BEAM WEB IS NOT PRESENT PROVIDE 1/4" PLATE.

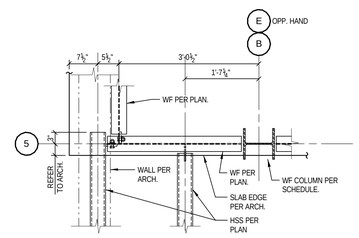
5 SECTION
S301 3/4" = 1'-0"



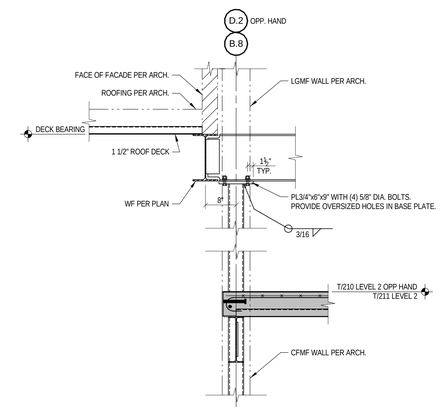
NOTE: SECTION SHOWN THROUGH COLUMN WEB.

NOTE: AT BRICK LEDGE HANGER LOCATIONS WHERE A PURLIN FRAMING INTO OPPOSITE FACE OF BEAM WEB IS NOT PRESENT PROVIDE 1/4" PLATE.

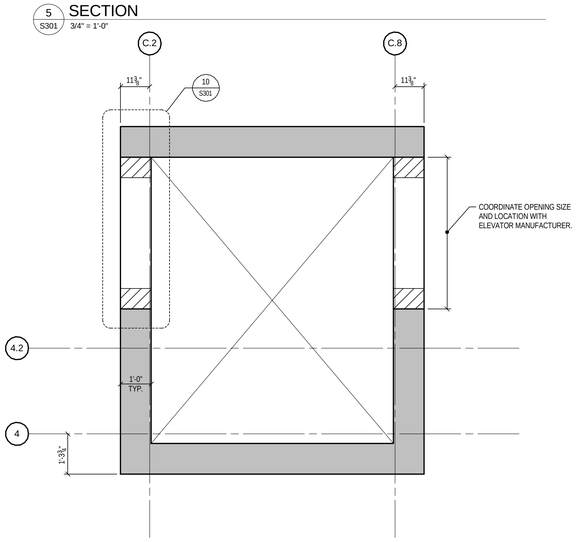
6 SECTION
S301 3/4" = 1'-0"



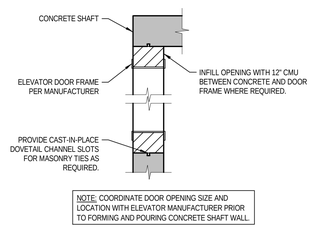
7 PLAN DETAIL
S301 3/4" = 1'-0"



8 SECTION
S301 3/4" = 1'-0"

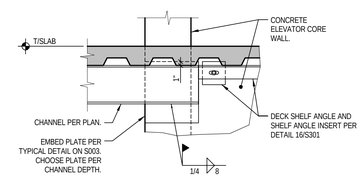


9 PLAN DETAIL
S301 1/2" = 1'-0"

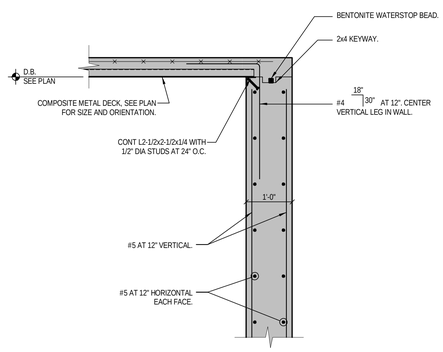


NOTE: COORDINATE DOOR OPENING SIZE AND LOCATION WITH ELEVATOR MANUFACTURER PRIOR TO FORMING AND POURING CONCRETE SHAFT WALL.

10 SECTION
S301 1/2" = 1'-0"



11 SECTION
S301 3/4" = 1'-0"



12 SECTION
S301 3/4" = 1'-0"

Revisions	Date

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jpa@johnpoe.com

Drawing Title: FRAMING DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: S301

Dwg. 36 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

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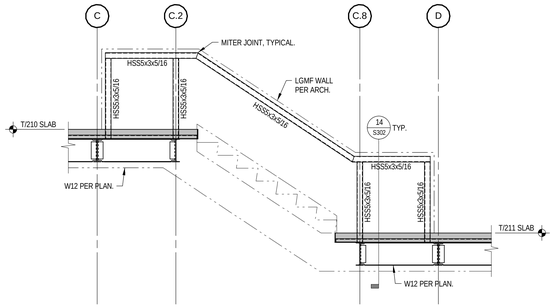

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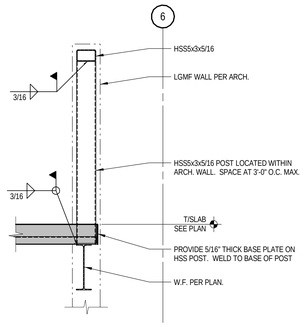

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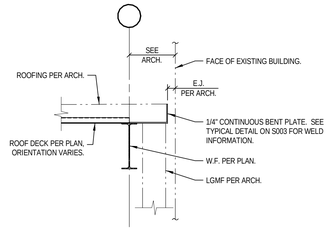
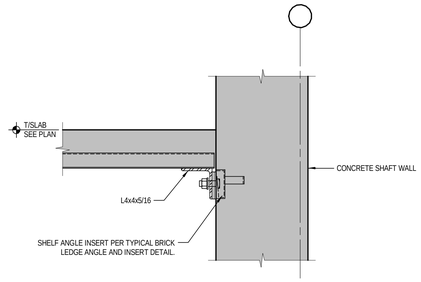


15 SECTION
S302 3/4" = 1'-0"



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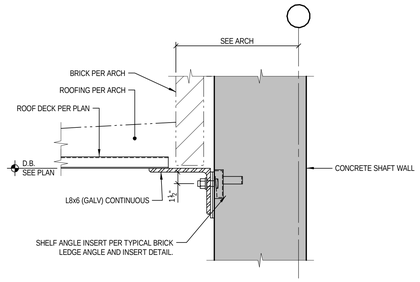

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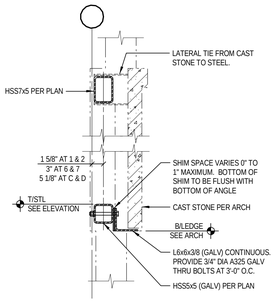

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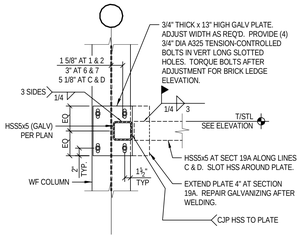

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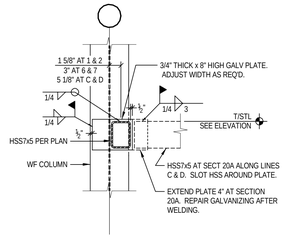

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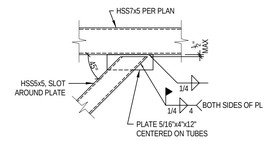

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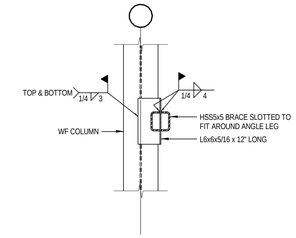

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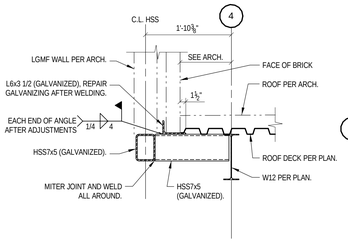

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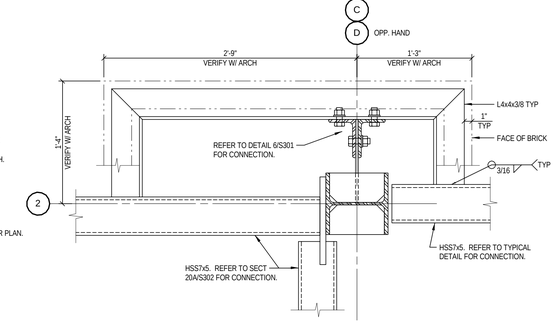

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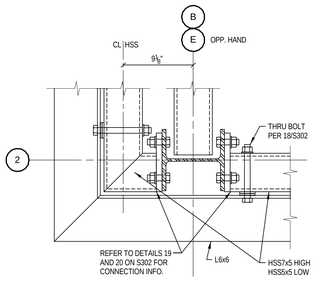

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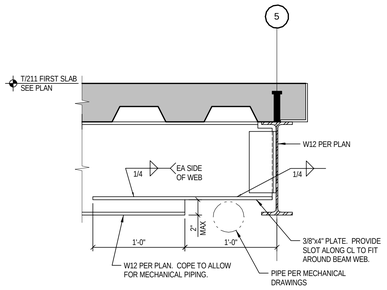

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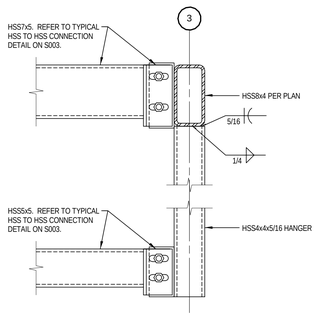

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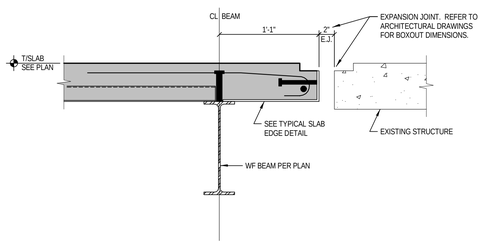

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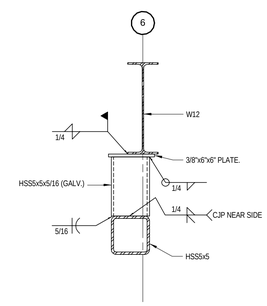

29 SECTION
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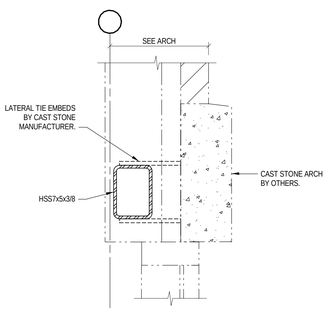

30 SECTION
S302 1 1/2" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: FRAMING DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013

Checked: FJE

Drawn: MRB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

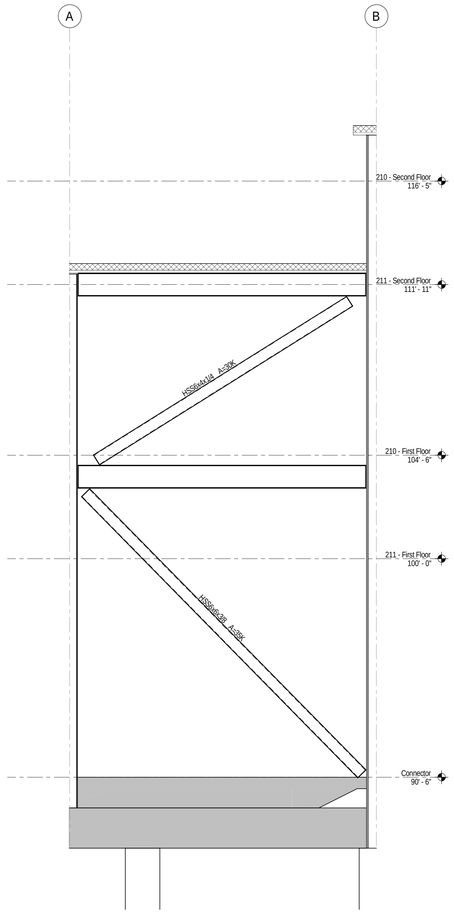
Drawing Number: S302

Dwg. 37 of 70

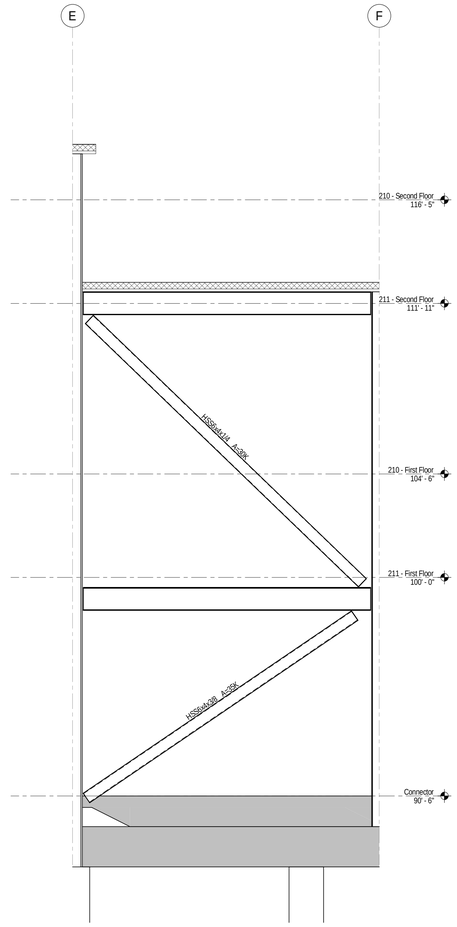
Office of Construction and Facilities Management

Department of Veterans Affairs

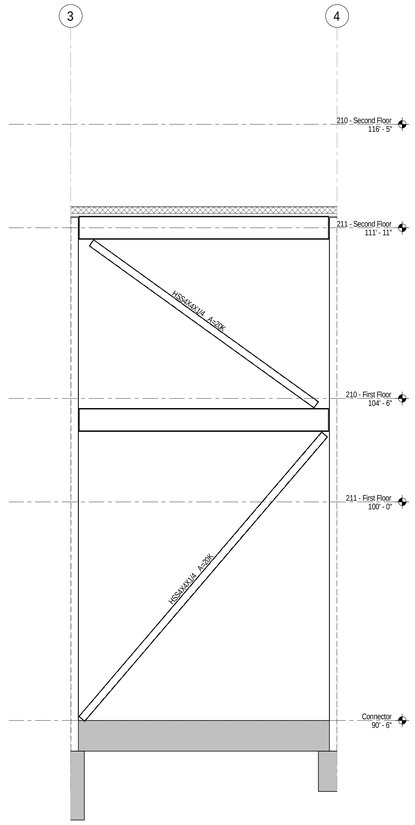
BID DOCUMENTS - FULLY SPRINKLERED



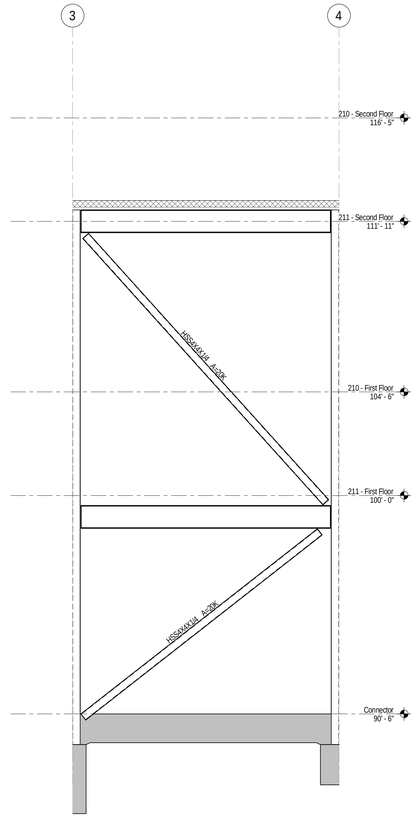
1 S401 BRACING ELEVATION - LINE 4
3/8" = 1'-0"



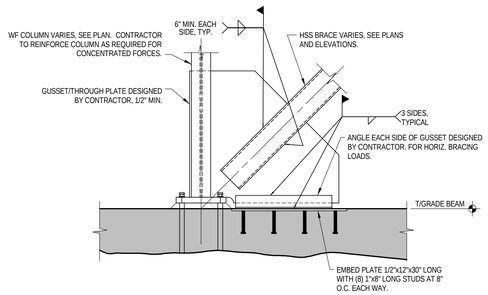
2 S401 BRACING ELEVATION - LINE 4
3/8" = 1'-0"



3 S401 BRACING ELEVATION - LINE A
3/8" = 1'-0"

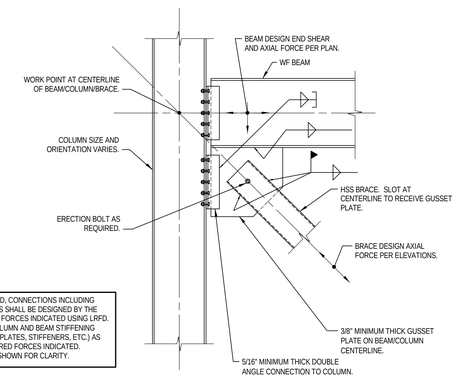


4 S401 BRACING ELEVATION - LINE F
3/8" = 1'-0"

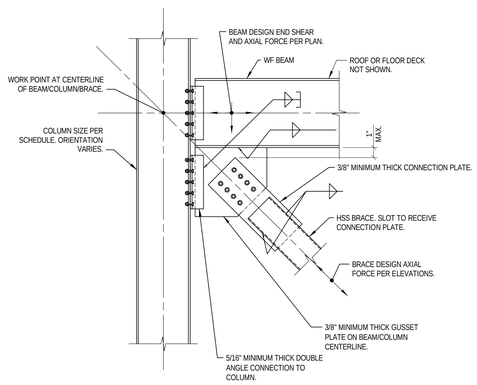


HSS BRACE BASE DETAIL

UNLESS OTHERWISE DETAILED, CONNECTIONS INCLUDING GUSSET/CONNECTION PLATES SHALL BE DESIGNED BY THE FABRICATOR FOR FACTORED FORCES INDICATED USING LRFD. FABRICATOR TO PROVIDE COLUMN AND BEAM STIFFENING ELEMENTS (I.E. WEB DOUBLE PLATES, STIFFENERS, ETC.) AS REQUIRED TO RESIST FACTORED FORCES INDICATED. STIFFENING ELEMENTS NOT SHOWN FOR CLARITY.



HSS BRACE FIELD WELDED



HSS BRACE FIELD BOLTED

Revisions	Date

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Drawing Title
BRACING ELEVATIONS

Approved: Project Director

Project Title
CLC Common Area Connector

Location
Chillicothe, Ohio

Date
NOVEMBER 13, 2013

Checked
FJE

Drawn
MRB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number
210/211

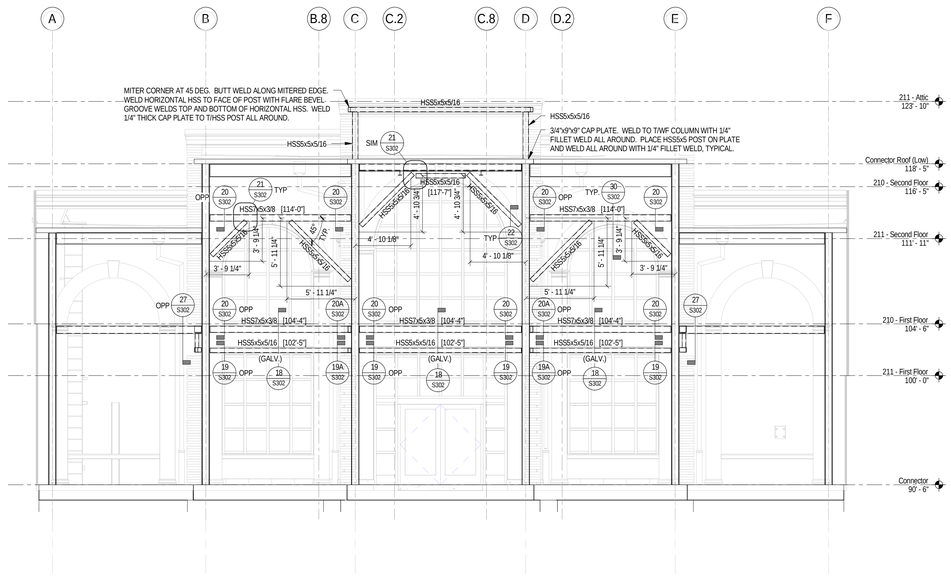
Drawing Number
S401

Dwg. 38 of 70

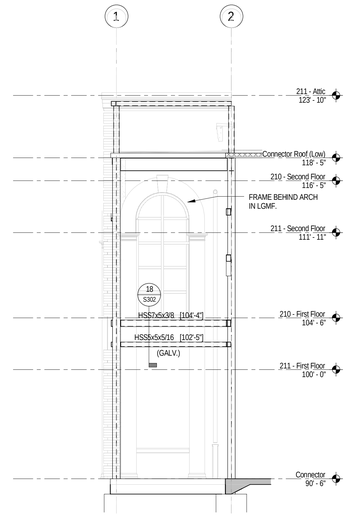
Office of Construction and Facilities Management

Department of Veterans Affairs

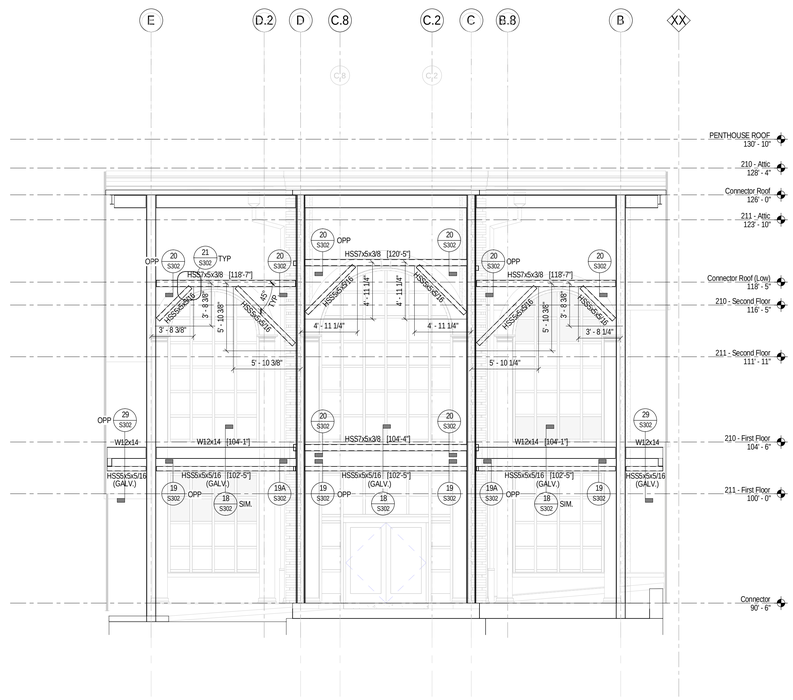
BID DOCUMENTS - FULLY SPRINKLERED



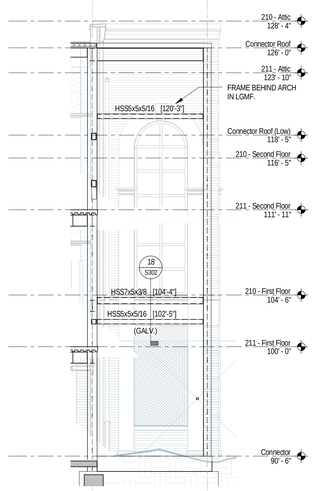
1 S402 SOUTH FACADE FRAMING ELEVATION
3/16" = 1'-0"



4 S402 SOUTH - EAST FACADE FRAMING ELEVATION LINES D AND C (OPP)
3/16" = 1'-0"



2 S402 NORTH FACADE FRAMING ELEVATION
3/16" = 1'-0"



3 S402 NORTH - EAST FACADE FRAMING ELEVATION LINES D AND C (OPP)
3/16" = 1'-0"

Revisions	Date

CONSULTANTS:

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Drawing Title: FACADE FRAMING ELEVATIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: FJE | Drawn: MRB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: S402

Dwg. 39 of 70

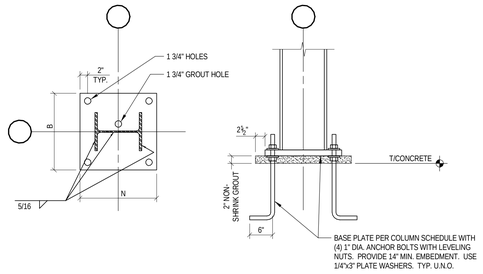
Office of Construction and Facilities Management

Department of Veterans Affairs

BID DOCUMENTS - FULLY SPRINKLERED

COLUMN SCHEDULE

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11
PENTHOUSE ROOF	A-3 F-3 A-4 F-4	C-1 D-1	B-4 E-4	B-2 C-2 D-2 E-2	B-5 B.8-5 D.2-5 E5 C-7 D-7	B-6 C-6 D-6 E-6	B.8-4.2	D.2-4.2	B.8-5	D.2-5	B.8-4 D.2-4
HIGH ROOF											
Connector Roof (Low)					W8x40	W10x49			HSS4x4x5/16	HSS4x4x5/16	HSS4x4x5/16
210 - Second Floor		W8x25	W10x60	W8x40			HSS4x4x5/16	HSS4x4x5/16			
211 - Second Floor											
210 - First Floor											
211 - First Floor	W8x21										
Connector											
Foundation											
BASE PLATE	16"x16"x1 1/4"	16"x16"x1 1/4"	18"x18"x1 1/2"	16"x16"x1 1/4"	16"x16"x1 1/4"	18"x18"x1 1/2"	SEE DETAIL 8/S301	SEE DETAIL 8/S301	SEE TYPICAL DETAIL ON S003	SEE TYPICAL DETAIL ON S003	SEE DETAIL 2/S301
ANCHOR BOLT SIZE (D)	SEE DETAIL	SEE DETAIL	SEE DETAIL	SEE DETAIL	SEE DETAIL	SEE DETAIL	SEE DETAIL 8/S301	SEE DETAIL 8/S301	SEE TYPICAL DETAIL ON S003	SEE TYPICAL DETAIL ON S003	SEE DETAIL 2/S301



COLUMN BASE DETAIL

Revisions	Date

CONSULTANTS:

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jpa@johnpoe.com

Drawing Title: COLUMN SCHEDULE AND DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013

Checked: FJE

Drawn: MRB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

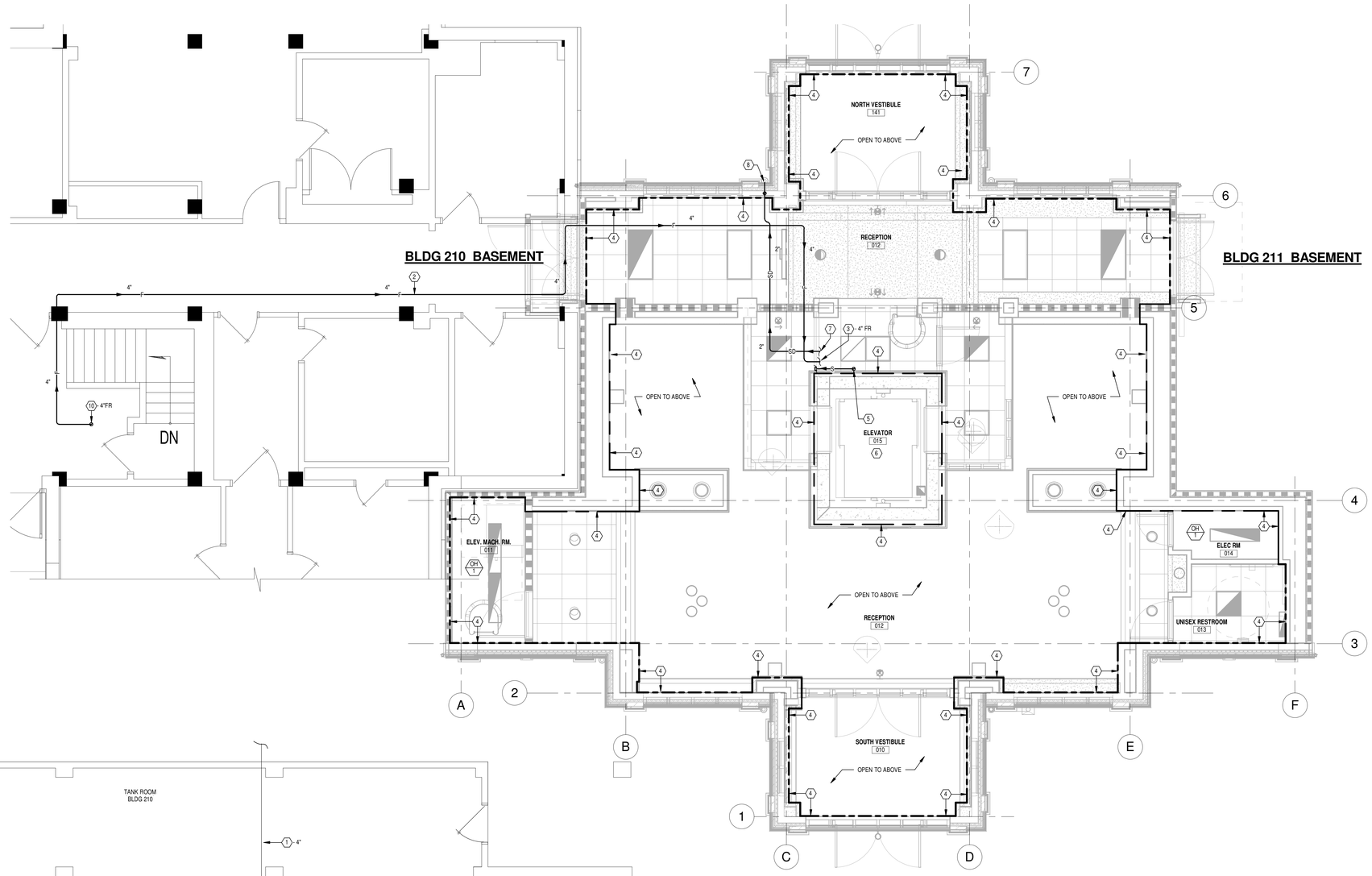
Building Number: 210/211

Drawing Number: S501

Dwg. 40 of 70

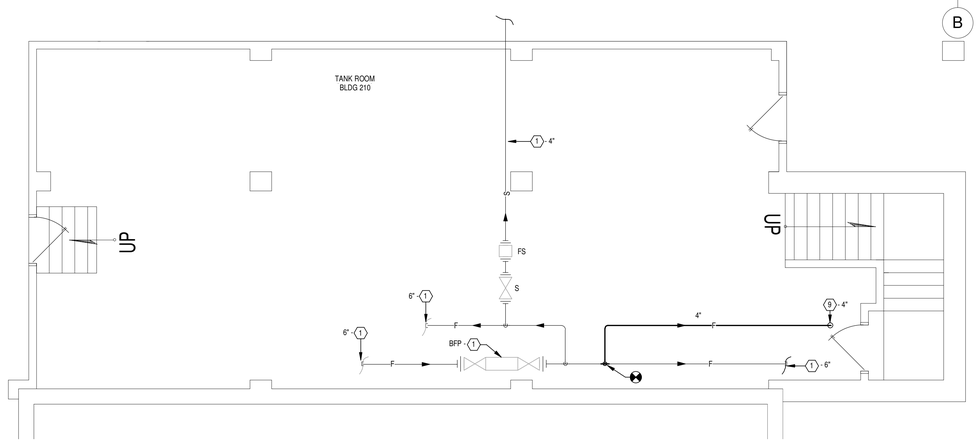
Office of Construction and Facilities Management

Department of Veterans Affairs



BASEMENT PLAN

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



TANK ROOM BLDG 210

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

FIRE SUPPRESSION DESIGN NOTES

A. PROVIDE A COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM IN THE ENTIRE NEW ADDITION.

B. COORDINATE WORK WITH VAMC AND ALL OTHER TRADES. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFFSETTING AND / OR RELOCATING SERVICES DETERMINED TO BE IN CONFLICT WITH WORK OF OTHER TRADES.

C. DESIGN SERVICES SHALL FOLLOW ALL VA STANDARD DESIGN PRACTICES, DETAILS, SPECIFICATIONS AND SITE SPECIFIC COTR REQUIREMENTS AS WELL AS WORK SHOWN ON THESE DOCUMENTS. ALL DEVIATIONS FROM AFOREMENTIONED REQUIREMENTS SHALL BE APPROVED BY THE COTR.

D. VERIFY THAT THERE IS ADEQUATE SPACE TO INSTALL ALL NEW PIPING REQUIRED TO COMPLETE THIS WORK.

E. ALL SPRINKLER PIPING IS LOCATED ABOVE THE CEILING (AT THE BOTTOM OF STRUCTURE IN EXPOSED STRUCTURAL AREAS) UNLESS OTHERWISE INDICATED.

F. THE BASIS OF DESIGN OF SPACING AND SIZING FOR THE COMPLETE FIRE SUPPRESSION SPRINKLER SYSTEM IS FOR A WET PIPE SYSTEM HYDRAULICALLY CALCULATED FOR A:

1. LIGHT HAZARD AREA LIMITED TO A MAXIMUM OF 225 SQ. FT. PER SPRINKLER WITH THE DENSITY OF 0.10 GPM/SQ. FT. OVER MOST THE MOST REMOTE 1500 SQ. FT. PROVIDE AN ADDITION OF 100 GPM HOSE ALLOWANCE.

2. ALL MECHANICAL, ELECTRICAL AND ETC. AREAS SHALL BE ORDINARY HAZARD (GROUP 1) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.15 GPM/SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT. PROVIDE AN ADDITION OF 250 GPM HOSE ALLOWANCE.

3. ALL STORAGE, TRASH, FILE STORAGE AND ETC. AREAS SHALL BE ORDINARY HAZARD (GROUP 2) LIMITED TO A MAXIMUM OF 130 SQ. FT. PER SPRINKLER WITH A DENSITY OF 0.20 GPM/SQ. FT. OVER THE MOST REMOTE 1500 SQ. FT. PROVIDE AN ADDITION OF 250 GPM HOSE ALLOWANCE.

G. PROVIDE ALL SPRINKLER LOCATIONS AND RELATED PIPING LAYOUT AND SIZING.

H. THE ENTIRE SPRINKLER SYSTEM SHALL CONFORM TO VAMC, LOCAL, STATE AND NFPA STANDARDS, RULES AND REGULATIONS.

I. CAREFULLY COORDINATE THE LOCATION OF ALL SPRINKLERS AND PIPING WITH ALL OTHER TRADES AND THE ARCHITECT.

J. VERIFY THE LOCATION OF ALL LIGHTING FIXTURES AND AIR DEVICES BEFORE INSTALLATION OF SPRINKLERS.

K. PROVIDE ALL SPRINKLER PIPING LAYOUT AND SIZING.

L. ALL SPRINKLER LOCATIONS MUST BE COORDINATED WITH ALL EQUIPMENT KINDRED TO OTHER TRADES. SPRINKLER LOCATIONS MUST BE APPROVED BY THE ARCHITECT BEFORE WORK COMMENCES. REFER TO THE ARCHITECTURAL AND REFLECTIVE CEILING PLANS FOR ADDITIONAL INFORMATION ON ALL CEILING TYPES, HEIGHTS, AND OTHER ARCHITECTURAL FEATURES.

M. MAKE NECESSARY FLOW TEST, LAY OUT SYSTEMS, OBTAIN APPROVALS FROM THE AUTHORITIES HAVING JURISDICTION PRIOR TO BEGINNING ANY FABRICATION OR INSTALLATION WORK.

N. SPRINKLER PIPING SHALL BE MINIMUM 1" SIZE. PROVIDE ALL HARD PIPING, NO FLEXIBLE PIPING ALLOWED.

O. SPRINKLERS (UNLESS OTHERWISE NOTED):
EXPOSED AREAS - UPRIGHT OR PENDENT TYPE - STANDARD BRASS
CEILING AREAS - RECESSED PENDENT TYPE ALL LAY-IN AND HARD DRYWALL CEILING AREAS. ALL SPRINKLERS SHALL BE UL LISTED AND FM APPROVED.

P. SPRINKLERS SHALL BE "QUICK RESPONSE" TYPE IN ALL AREAS EXCEPT HIGH TEMPERATURE AREAS.

Q. ALL PENDENT TYPE SPRINKLERS LOCATED IN SUSPENDED CEILING TILE AREAS SHALL BE LOCATED IN THE CENTER OF THE CEILING TILE.

R. ANNULAR SPACE AT PIPE AND OTHER SIMILAR PENETRATION OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. REFER TO SPECIFICATION SECTION 07 84 00 FIRESTOPPING. REFER TO ARCHITECTURAL DRAWINGS FOR CONSTRUCTION, LAYOUT AND FIRE RATING OF FLOORS, WALLS, PARTITIONS AND OTHER BUILDING ELEMENTS.

S. REFER TO SPECIFICATION SECTION 21 13 13 FOR FLOW TEST REQUIREMENTS.

T. REFER TO ARCHITECTURAL DRAWING G001 FOR SMOKE COMPARTMENTS. ALL SPRINKLER ZONES SHALL MATCH SMOKE COMPARTMENTS.

U. ALL EXPOSED DUCTWORK 48" WIDE AND LARGER SHALL BE PROVIDED WITH SPRINKLER PROTECTION BELOW THE DUCTWORK.

PLAN NOTES

1 EXISTING TO REMAIN.

2 NEW 4" FIRE SUPPRESSION MAIN FROM BUILDING 210.

3 EXTEND NEW 4" FIRE SUPPRESSION MAIN INTO MECHANICAL ROOM #134 ABOVE.

4 PROVIDE NEW WET-PIPE FIRE SUPPRESSION SPRINKLER SYSTEM IN AREA INDICATED.

5 EXTEND NEW WET-PIPE FIRE SUPPRESSION SPRINKLER PIPING (SIZED PER HYDRAULIC CALCULATIONS) FROM MECHANICAL ROOM #134 ABOVE TO SERVE BASEMENT SPRINKLER ZONE.

6 PROVIDE SIDEWALL SPRINKLER HEAD IN ELEVATOR PIT. SPRINKLER HEAD IS NOT REQUIRED AT TOP OF ELEVATOR SHAFT.

7 EXTEND 2" SPRINKLER DRAIN PIPE SERVING INSPECTOR'S TEST AND DRAIN ASSEMBLIES LOCATED IN MECHANICAL ROOM #134 ABOVE TO EXTERIOR WALL.

8 EXTEND 2" SPRINKLER DRAIN, DROP IN WALL AND DISCHARGE ON GRADE. PROVIDE SPLASHBLOCK.

9 EXTEND 4" FIRE RISER TO BLDG 210 BASEMENT ABOVE.

10 4" FIRE RISER FROM BLDG 210 TANK ROOM. REFER TO TANK ROOM BLDG 210 PLAN ON THIS SHEET.

LEGEND

COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
	DIRECTION OF FLOW
S	SPRINKLER PIPE (WET)
SD	SPRINKLER DRAIN PIPE
F	FIRE SUPPRESSION PIPE
S	SUPERVISED VALVE
FS	FLOW SWITCH
OH / 1	FIRE SUPPRESSION HAZARD CLASSIFICATION / ORDINARY HAZARD / GROUP 1
3	"NOTE" SYMBOL (FOR NOTES ON SAME SHEET)
123	ROOM NUMBER

DRAWING INDEX - FIRE SUPPRESSION	
SHEET	DESCRIPTION
FX100	BASEMENT PLAN
FX101	LEVEL 1 PLAN
FX102	LEVEL 2 PLAN

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Mechanical Electrical Commissioning Technology
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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

STATE OF OHIO — GARY S. EDDICE E-52755 — REGISTERED PROFESSIONAL ENGINEER

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Drawing Title: BASEMENT PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

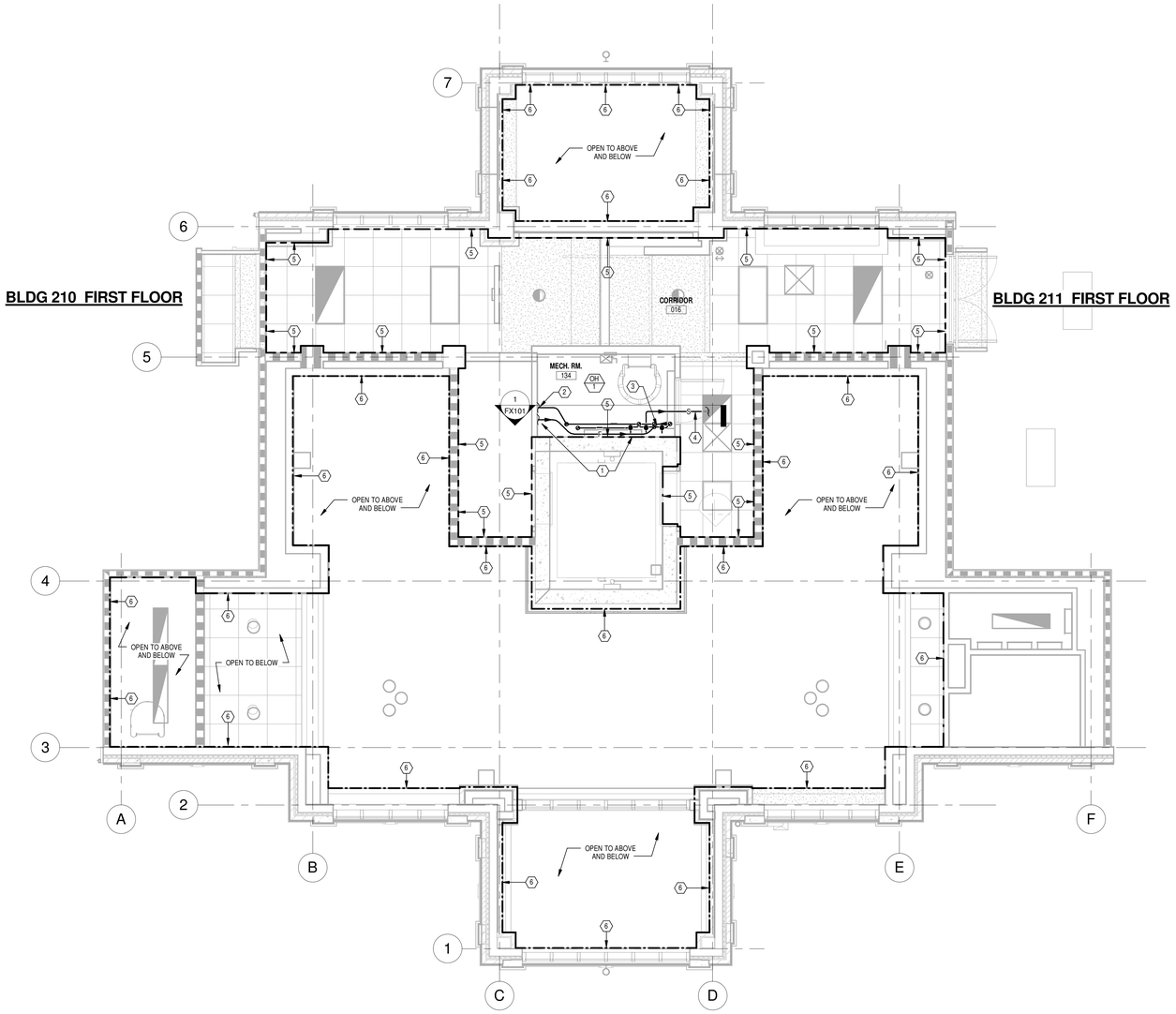
Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: FX100

Dwg. 41 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs



LEVEL 1 PLAN

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

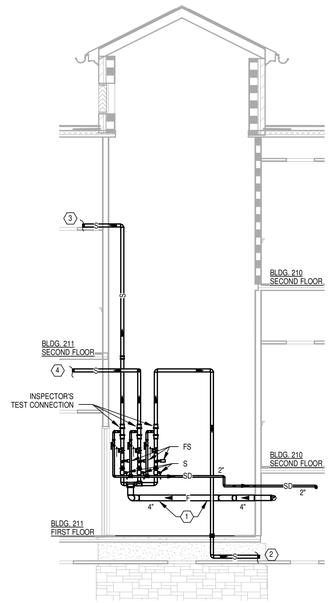
PROJECT

GENERAL NOTES

A REFER TO SHEET FX100 FOR LEGEND, SCHEDULES, NOTES AND DRAWING INDEX.

PLAN NOTES

1. EXTEND NEW 4" FIRE RISER FROM ABOVE BASEMENT CEILING INTO MECHANICAL ROOM #134 ALONG WALL AND MANIFOLD TO SERVE THREE (3) SEPARATE SPRINKLER ZONES WITH SUPERVISED VALVES AND FLOW SWITCHES.
2. EXTEND WET-PIPE FIRE SUPPRESSION SPRINKLER PIPE (SIZED PER HYDRAULIC CALCULATIONS) DOWN TO BASEMENT BELOW. PIPING CONTINUED ON SHEET FX100.
3. EXTEND WET-PIPE FIRE SUPPRESSION SPRINKLER PIPE (SIZED PER HYDRAULIC CALCULATIONS) UP TO LEVEL 2 ABOVE. PIPING CONTINUED ON SHEET FX102.
4. EXTEND WET-PIPE FIRE SUPPRESSION SPRINKLER PIPE (SIZED PER HYDRAULIC CALCULATIONS) TO SERVE LEVEL 1 SPRINKLER ZONE.
5. PROVIDE NEW WET-PIPE SIRE SUPPRESSION SPRINKLER SYSTEM IN AREA INDICATED.
6. OPEN TO ROOF ABOVE AND BASEMENT FLOOR BELOW.



1 FIRE SUPPRESSION ZONES

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

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: LEVEL 1 PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

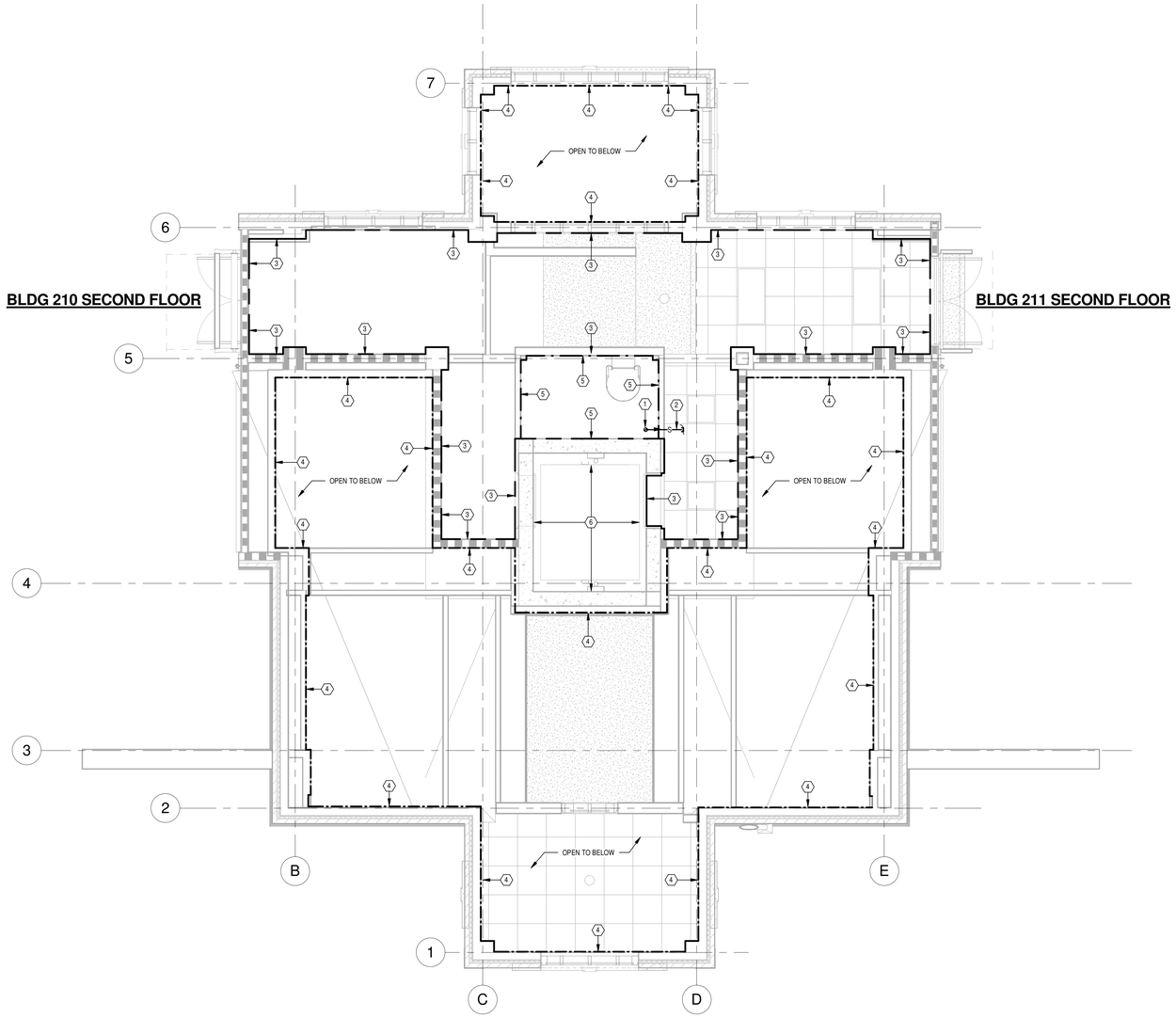
Building Number: 210/211

Drawing Number: FX101

Dwg. 42 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



N

LEVEL 2 PLAN

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

PROJECT

GENERAL NOTES

A REFER TO SHEET FX100 FOR LEGEND, SCHEDULES, NOTES AND DRAWING INDEX.

PLAN NOTES

1 EXTEND WET-PIPE FIRE SUPPRESSION SPRINKLER PIPE (SIZED PER HYDRAULIC CALCULATIONS) FROM MECHANICAL ROOM #134 BELOW.

2 EXTEND WET-PIPE FIRE SUPPRESSION SPRINKLER PIPE (SIZED PER HYDRAULIC CALCULATIONS) TO SERVE LEVEL 2 SPRINKLER ZONE.

3 PROVIDE NEW WET-PIPE SIRE SUPPRESSION SPRINKLER SYSTEM IN AREA INDICATED.

4 OPEN TO BASEMENT FLOOR BELOW.

5 OPEN TO FIRST FLOOR BELOW.

6 INCLUDE OPEN SPACE ABOVE ELEVATOR SHAFT INTO CALCULATIONS AND SPRINKLER AS REQUIRED BY NFPA 13.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: LEVEL 2 PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: FX102

Dwg. 43 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

LEGEND

G.C.	GENERAL CONTRACTOR
P.C.	PLUMBING CONTRACTOR (DIV 22)
F.S.C.	FIRE SUPPRESSION CONTRACTOR (DIV 21)
H.C.	HVAC CONTRACTOR (DIV 23)
E.C.	ELECTRICAL CONTRACTOR (DIV 26)
S.U.C.	SITE UTILITY CONTRACTOR
C.O.T.R.	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE
	SOIL AND OR WASTE PIPE (SP) OR (WP)
	VENT PIPE
PD	PUMPED DISCHARGE DRAIN PIPE
O2	OXYGEN PIPE
	DOMESTIC COLD WATER PIPE
	DOMESTIC HOT WATER PIPE
	DOMESTIC HOT WATER RETURN PIPE
TP	TRAP PRIMER DRAIN PIPE
	SHUT-OFF VALVE (BALL)
	COMBINATION BALANCING & SHUT OFF VALVE
	CHECK VALVE
	EXISTING PIPE TO BE REMOVED
	DIRECTION OF FLOW
P103	UP TO FIXTURE ABOVE
3	"NOTE" SYMBOL (FOR NOTES ON SAME SHEET)
	"CONNECT TO EXISTING" SYMBOL
SS	SANITARY STACK (SOIL/WASTE)
SR	SUPPLY RISER
CO	CLEANOUT
VR	VENT RISER
VTR	VENT THRU ROOF
FD1	FLOOR DRAIN
RD1	ROOF DRAIN
123	ROOM NUMBER
F.F.E.	FINISHED FLOOR ELEVATION
P418	PLUMBING FIXTURE DESIGNATION

GENERAL NOTES

A THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.

B SITE VISIT(S) SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS.

C INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.

D REFER TO SCHEDULES, DETAILS AND DIAGRAMS FOR PIPING, PIPE SIZES AND PIPELINE DEVICES NOT INDICATED ON THE FLOOR PLAN.

E EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.

F ALL PIPING TO BE REMOVED, SHALL BE REMOVED BACK TO ACTIVE MAINS AND CAPPED, OR REMOVED BACK TO POINTS OF CONNECTION OF NEW WORK. INACCESSIBLE PIPING, WHERE SO NOTED, TO BE ABANDONED SHALL BE DISCONNECTED FROM ACTIVE MAINS AND CAPPED, OR PLUGGED IN CONCEALED LOCATIONS.

G ALL REMOVED MATERIAL AND EQUIPMENT SO DESIGNATED BY THE COTR, SHALL BE TURNED OVER AND PLACED WHERE DIRECTED. ALL MATERIAL AND EQUIPMENT, WHICH THE COTR DOES NOT WISH TO RETAIN, SHALL BECOME THE PROPERTY OF THE CONTRACTOR RESPONSIBLE FOR THE REMOVAL.

H ALL PIPING IS ABOVE THE CEILING (AT THE UNDERSIDE OF STRUCTURE IN EXPOSED STRUCTURAL AREAS), UNLESS OTHERWISE NOTED.

I ABOVE CEILING UTILITY SPACE IS LIMITED. COORDINATION WITH ALL TRADES IS CRITICAL, PRIOR TO INSTALLATION OF ANY WORK.

J NEW CONNECTIONS TO EXISTING PIPING SHALL BE WITH THE SAME SIZE AS THE EXISTING PIPING UNLESS OTHERWISE NOTED.

K ANNULAR SPACE OF ALL PIPE, CONDUIT, DUCT & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOORS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.

L ALL CUTTING AND PATCHING REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING.

M WHERE ROOFING WORK IS REQUIRED, THE EXISTING ROOFING MEMBRANE AND INSULATION SHALL BE CUT, REMOVED AND RESTORED AS REQUIRED TO ATTAIN A WATERTIGHT CONDITION. THE ROOFING SUB-CONTRACTOR SHALL BE A CERTIFIED INSTALLER FOR SUCH INSTALLATION TO MAINTAIN THE EXISTING WARRANTY ON THE ROOF.

N THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.

O ALL MEDICAL GAS SYSTEM INSTALLATION AND VERIFICATION SHALL COMPLY WITH THE REQUIREMENTS OF NFPA 99C, GAS AND VACUUM SYSTEMS, 2005 EDITION. ALL MEDICAL GAS SYSTEM INSTALLERS SHALL BE CERTIFIED TO THE REQUIREMENTS OF ASSE 6010. ALL MEDICAL GAS SYSTEM VERIFIERS SHALL BE CERTIFIED TO THE REQUIREMENTS OF ASSE 6030.

FIXTURE SCHEDULE

SYMBOL	MOUNTING HEIGHT	DESCRIPTION	FLOW GPM	FLOW GPF	FIXTURE UNITS DRAINS	FIXTURE UNITS WATER C/H	SUPPLY COLD	SUPPLY HOT	DRAINAGE CONNECTION OUTLET	DRAINAGE CONNECTION VENT	DRAINAGE CONNECTION DIRECT	DRAINAGE CONNECTION INDIRECT	REMARKS
P103	18" TO RIM	WATER CLOSET/WALL HUNG/ADA	- -	1.28	4	5/- -	1"	- -	4"	2"	●	- -	ELECTRIC POWERED/SENSOR OPERATED/FLUSH VALVE WITH MANUAL BY-PASS.
P418	34" TO RIM	LAVATORY/WALL HUNG/20"x18"/ADA	0.5	- -	1	0.6/0.6	0.5"	0.5"	1.5"	1.5"	●	- -	ELECTRIC POWERED/SENSOR OPERATED FAUCET/LAV SHIELD/CARRIER
P609	36" TO SPOUT	WATER COOLER/DRINKING FOUNTAIN/ADA	- -	- -	0.5	0.5/--	0.5"	- -	1.5"	1.5"	●	- -	WALL MOUNTED
P804	36"	HOSE BIBB/SINGLE FAUCET	- -	- -	- -	- -	0.5"	- -	- -	- -	- -	- -	CROSS HANDLES/VACUUM BREAKER

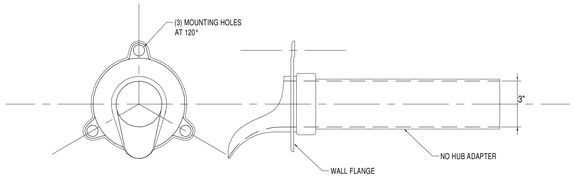
FIXTURE SCHEDULE NOTES:
1. DO NOT USE AERATORS ON LAVATORY FAUCETS, USE NON-AERATED FLOW DEVICES ONLY.

DRAIN SCHEDULE

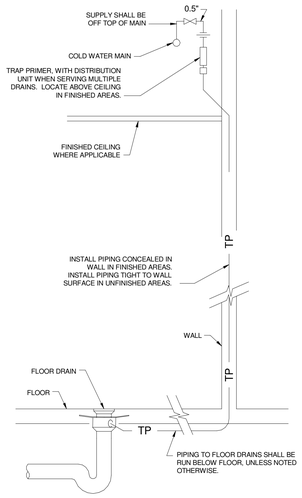
SYMBOL	DESCRIPTION	BODY C.I.	BODY S.S.	BODY C.R.	BODY BRASS	STRAINER / GRATE RD.	SQ.	ADJUST.	FLAT	RECESS	DOME	TOP FINISH NICKEL BRONZE	C.I.	C.R.	S.S.
FD1	3" MEDIUM DUTY (2" MECHANICAL ROOM FLOOR DRAIN)/DOUBLE DRAINAGE/VANDAL RESISTANT (TYPE C)/TRAP PRIMER CONNECTION	●	- -	- -	- -	●	- -	●	●	- -	- -	●	- -	- -	- -
RD1	3" SCUPPER DRAIN/45 DEGREE OUTLET/ANGLE GRATE	●	- -	- -	- -	- -	●	- -	●	- -	- -	- -	●	- -	- -

DRAWING INDEX - PLUMBING

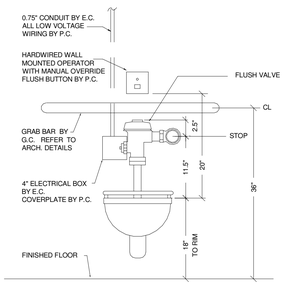
SHEET	DESCRIPTION
P001	LEGEND, SCHEDULES, NOTES, DETAILS AND INDEX
PP099	FOUNDATION PLAN - NEW WORK
PP100	BASEMENT PLAN - NEW WORK
PP101	LEVEL 1 PLAN - NEW WORK
PP102	LEVEL 2 PLAN - NEW WORK



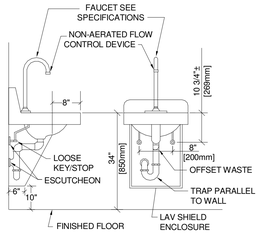
DOWNSPOUT NOZZLE (E / P001)
SCALE: NONE



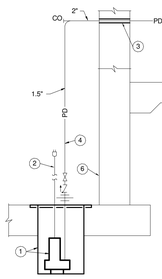
TRAP PRIMER (C / P001)
SCALE: NONE



P103 WATER CLOSET (A / P001)
SCALE: NONE



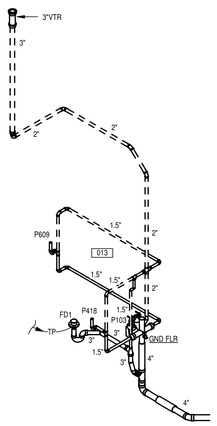
P418 WALL HUNG LAVATORY (B / P001)
SCALE: NONE



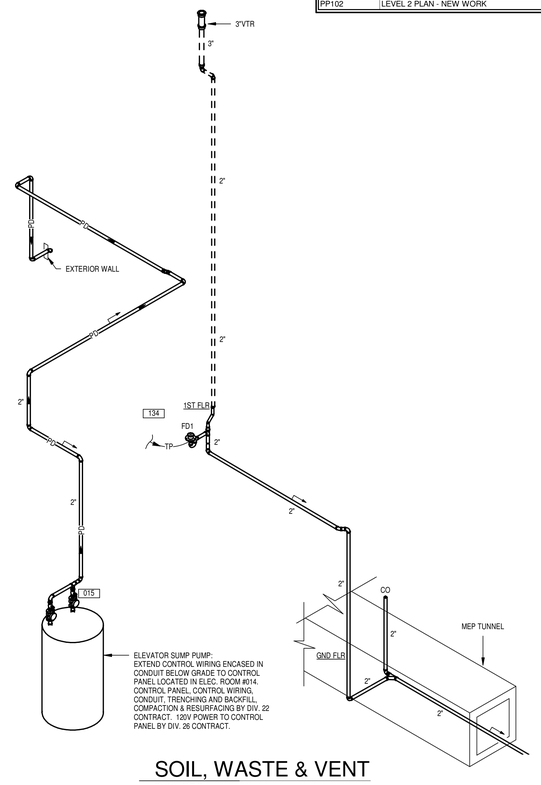
NOTES

1. ELEVATOR SUMP PUMP CAPACITY: 50 GPM @ 15 FT. HEAD MOTOR: 0.5 HP - 115V - 1 PH DISCHARGE: 1.5" SIZE IN BASIN & COVER
2. CORD AND PLUG WITH UNIT. CONNECT TO RECEPTACLE PROVIDED BY EC.
3. SLEEVE PIPE THRU WALL AND PROVIDE WATERTIGHT SEAL.
4. INSTALL PIPING IN A MANNER TO NOT INTERFERE WITH ELEVATOR CAR, RAILS, ETC.
5. 2" TO INDIRECT PUMPED DISCHARGE TO EXTERIOR.
6. ELEVATOR PIT WALL.

ELEVATOR SUMP PUMP (D / P001)
SCALE: NONE



SOIL, WASTE & VENT
Scale: N.T.S.



SOIL, WASTE & VENT
Scale: N.T.S.

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: LEGEND, SCHEDULES, NOTES, DETAILS AND INDEX

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

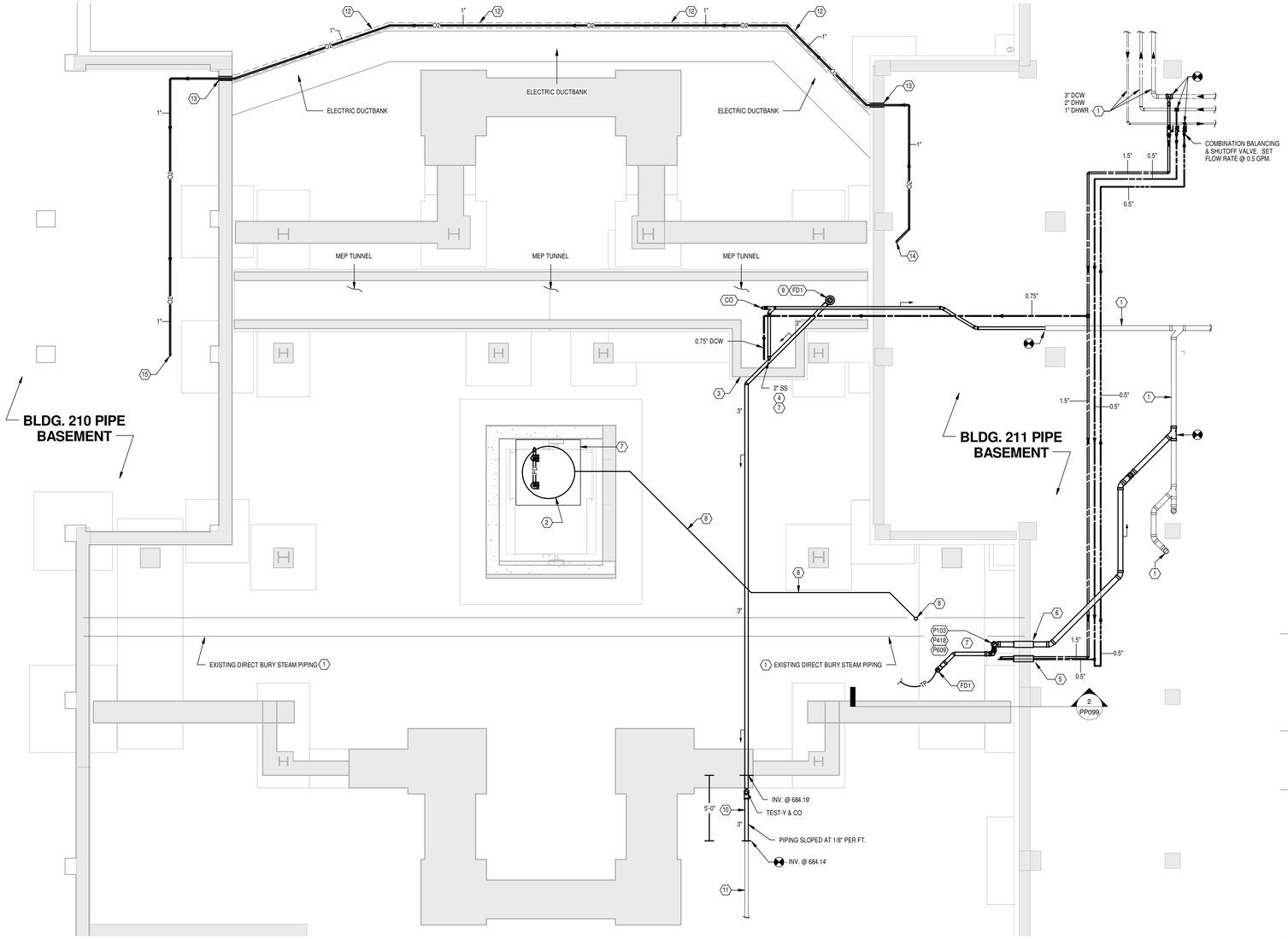
Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: P001
Dwg. 44 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs



N
PROJECT

FOUNDATION PLAN

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

GENERAL NOTES

A REFER TO SHEET P001 FOR LEGEND, SCHEDULES, NOTES, DETAILS AND DRAWING INDEX.

PLAN NOTES

1 EXISTING TO REMAIN.

2 SUMP PUMP
CAPACITY: 50 GPM @ 15 FT. HEAD (EACH)
MOTOR: 0.5HP, 115 V, 1 PH (EACH)
WITH BASIN AND COVER
PROVIDE FULL SIZE CHECK VALVE AND SHUT-OFF ON EACH 2" DISCHARGE PIPE.
PIPING CONTINUED ON SHEET PP100.

3 MEP LEAVE-OUT IN CONCRETE SLAB, BY OTHERS.

4 EXTEND SANITARY AND DCW PIPING FROM CONCRETE TUNNEL, THROUGH MEP LEAVE-OUT IN FLOOR SLAB. PIPING CONTINUED ON SHEET PP100.

5 EXTEND 1.5" DCW AND 0.5" DHW PIPING FROM EXISTING BLDG. 211 PIPE BASEMENT, THRU BLDG 211 EXTERIOR WALL BELOW GRADE BEAM, UNDER NEW CONNECTOR GRADE BEAM, AND UP INTO NEW PLUMBING CHASE TO SERVE NEW FIXTURES. PROVIDE SLEEVE THRU WALL AND WATERTIGHT SEAL. PIPING CONTINUED ON SHEET PP100.

6 EXTEND 4" SANITARY PIPING FROM EXISTING BLDG. 211 PIPE BASEMENT, THRU BLDG 211 EXTERIOR WALL BELOW GRADE, UNDER NEW CONNECTOR GRADE BEAM, AND UP INTO NEW PLUMBING CHASE TO SERVE NEW FIXTURES. PROVIDE SLEEVE THRU WALL AND WATERTIGHT SEAL. PIPING CONTINUED ON SHEET PP100.

7 PIPING CONTINUED ON SHEET PP100.

8 EXTEND ELEVATOR SUMP PUMP CONTROL WIRING ENCASED IN CONDUIT BELOW GRADE TO CONTROL PANEL LOCATED IN ELEC. ROOM #014. CONTROL PANEL, CONTROL WIRING, CONDUIT, TRENCHING AND BACKFILL, COMPACTION & RESURFACING BY DIVISION 22 CONTRACT. 120V POWER TO CONTROL PANEL BY DIVISION 26 CONTRACT.

9 FLOOR DRAIN LOCATED IN BOTTOM OF MEP TUNNEL.

10 PIPING BY DIVISION 22 CONTRACTOR.

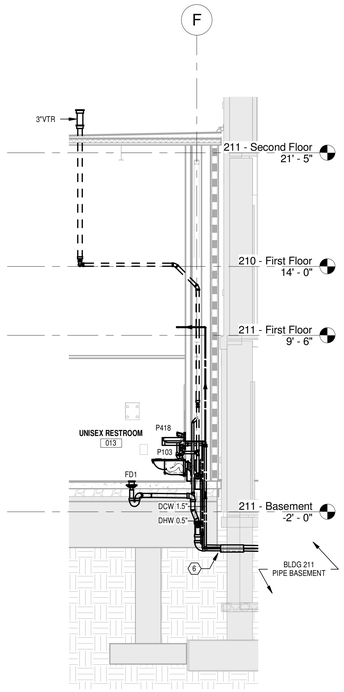
11 PIPING BY OTHERS, REFER TO CIVIL ENGINEERING DRAWINGS.

12 EXTEND TEMPORARY 1" O2 MAIN IN GRADE PARALLEL TO NEW ELECTRIC DUCTBANK. PIPING SHALL BE INSTALLED BELOW LOCAL LEVEL OF FROST PENETRATION AND ENCASED IN SELF-DRAINING CONDUIT, COVER, OR ENCLOSURE WITH ACCESS PROVIDED AT ALL JOINTS FOR VISUAL INSPECTION AND LEAK TESTING PER NFPA 99-5.1.10.11.5. EXCAVATE TRENCH AND PROVIDE BACKFILL, INDICATOR TAPE & MARKER TAPE PER THE REQUIREMENTS OF NFPA 99-5.1.10.11.5. PROVIDE THIRD PARTY VERIFIER. VERIFIER SHALL BE PRESENT AT CHANGE-OVER(S) TO MITIGATE DELAYS. COORDINATE WORK WITH DIVISION 26.

13 EXTEND TEMPORARY 1" O2 MAIN THRU PIPE BSMT. EXTERIOR WALL. PROVIDE SLEEVE AND SEAL OUTDOOR END TO PREVENT ENTRANCE OF GROUNDWATER INTO BUILDING PER NFPA 99-5.1.10.11.5.10. COORDINATE WORK WITH DIVISION 26.

14 TEMPORARY 1" O2 MAIN FROM BLDG. 211 BASEMENT ABOVE.

15 EXTEND TEMPORARY 1" O2 MAIN TO BLDG. 210 BASEMENT ABOVE.



2
BLDG 211 - PIPE BASEMENT

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

FULLY SPRINKLERED

Revisions	Date
	12/05/2013

CONSULTANTS:

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Drawing Title: FOUNDATION PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

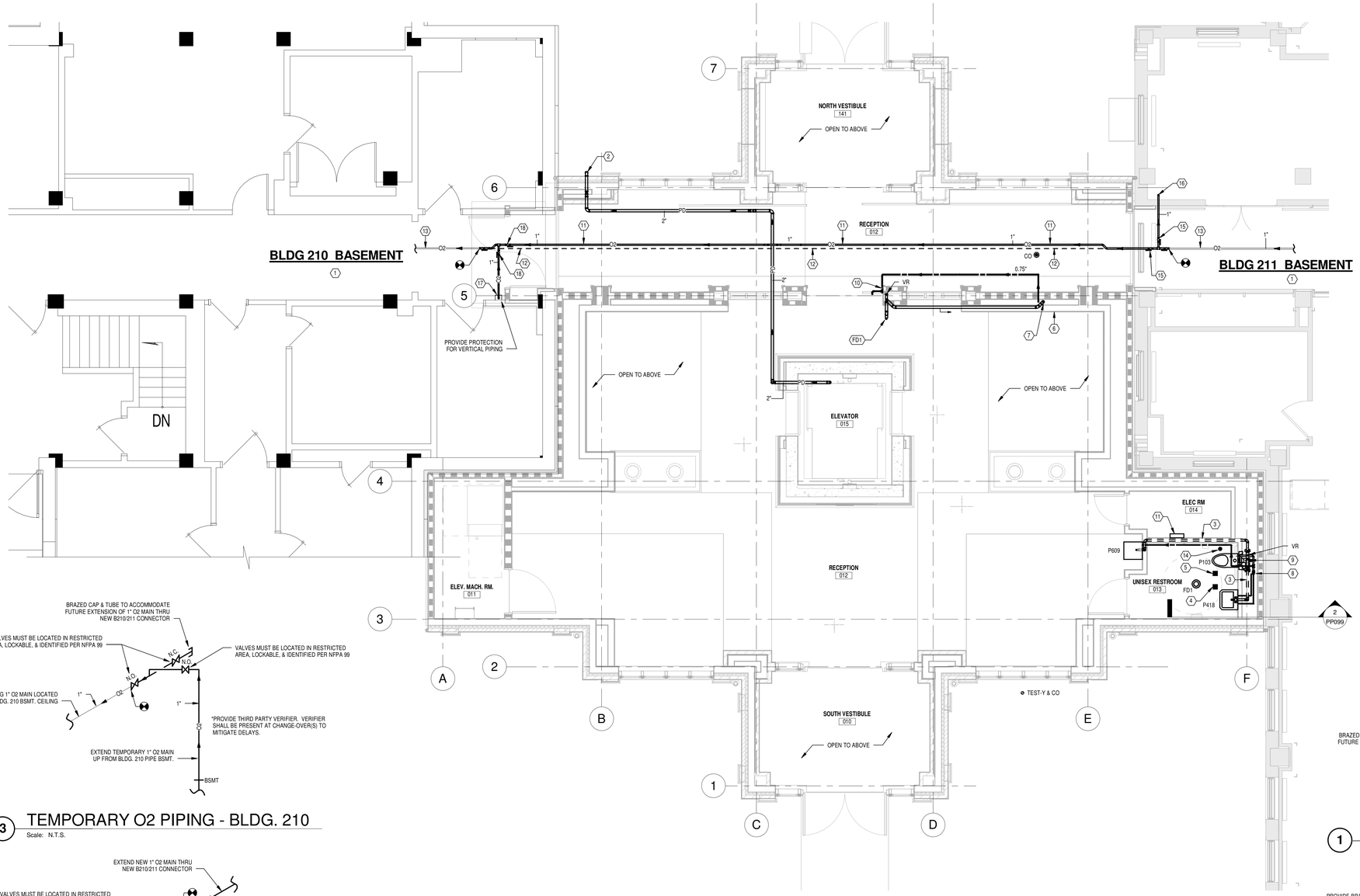
Building Number: 210/211

Drawing Number: PP099

Dwg. 45 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



BASEMENT PLAN

N PROJECT

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

GENERAL NOTES

A REFER TO SHEET P001 FOR LEGEND, SCHEDULES, NOTES, DETAILS AND DRAWING INDEX.

PLAN NOTES

1 EXISTING TO REMAIN.

2 EXTEND 2" PUMPED DISCHARGE PIPING THRU WALL (PROVIDE WATERTIGHT SEAL). TURN DOWN AT 45 DEGREE ANGLE AND TERMINATE ABOVE GRADE WITH A SPLASH BLOCK.

3 PIPING LOCATED IN WALL/CHASE ABOVE FLOOR SLAB.

4 BOX MOUNTED TRANSFORMER LOCATED ABOVE THE CEILING TO CONTROL SENSOR OPERATED FAUCET ON FIXTURE BELOW. 120V-1PH POWER WILL BE LOCATED IN A WIRING BOX ABOVE THE CEILING BY DIVISION 26. A 0.75" CONDUIT (FOR LOW VOLTAGE WIRING) STUBBED ABOVE THE CEILING AND EXTENDED DOWN TO AN ELECTRICAL WALL BOX LOCATED BELOW LAVATORY WILL BE PROVIDED BY DIVISION 26. THE TRANSFORMER AND LOW VOLTAGE WIRING SHALL BE BY DIVISION 22. COORDINATE ALL WORK WITH DIVISION 26.

5 BOX MOUNTED TRANSFORMER LOCATED ABOVE THE CEILING TO CONTROL SENSOR OPERATED FLUSH VALVE ON FIXTURE BELOW. 120V-1PH POWER WILL BE LOCATED IN A WIRING BOX ABOVE THE CEILING BY DIVISION 26. A 0.75" CONDUIT (FOR LOW VOLTAGE WIRING) STUBBED ABOVE THE CEILING AND EXTENDED DOWN TO AN ELECTRICAL WALL BOX LOCATED AT THE WATER CLOSET WILL BE PROVIDED BY DIVISION 26. THE TRANSFORMER AND LOW VOLTAGE WIRING SHALL BE BY DIVISION 22. COORDINATE ALL WORK WITH THE DIVISION 26.

6 MEP LEAVE-OUT IN CONCRETE SLAB, BY OTHERS.

7 EXTEND SANITARY AND DCW PIPING FROM CONCRETE TUNNEL, THROUGH LEAVE-OUT IN FLOOR SLAB, AND UP NEW CHASE TO SERVE FIRST FLOOR MECHANICAL ROOM #134. PIPING CONTINUED ON SHEET PP101.

8 EXTEND 1.5" DCW AND 0.5" DHW PIPING FROM EXISTING BLDG. 211 PIPE BASMENT, THRU BLDG 211 EXTERIOR WALL BELOW GRADE, UNDER NEW CONNECTOR GRADE BEAM, AND UP INTO NEW PLUMBING CHASE TO SERVE NEW FIXTURES. PROVIDE SLEEVE THRU WALL AND WATERTIGHT SEAL.

9 EXTEND 4" SANITARY PIPING FROM EXISTING BLDG. 211 PIPE BASMENT, THRU BLDG 211 EXTERIOR WALL BELOW GRADE, UNDER NEW CONNECTOR GRADE BEAM, AND UP INTO NEW PLUMBING CHASE TO SERVE NEW FIXTURES. PROVIDE SLEEVE THRU WALL AND WATERTIGHT SEAL.

10 EXTEND 0.75" DCW PIPING UP TO MECHANICAL ROOM #134 ABOVE. PIPING CONTINUED ON SHEET PP101.

11 EXTEND 1" O2 MAIN THRU NEW B210/211 CONNECTOR UPON COMPLETION, FROM BLDG. #211 TO SERVE BLDG. #210. PROVIDE THIRD PARTY VERIFIER. VERIFIER SHALL BE PRESENT AT CHANGE-OVER(S) TO MITIGATE DELAYS.

12 REMOVE EXISTING 1" O2 PIPING DURING EXISTING CONNECTOR DEMO PHASE.

13 EXISTING O2 MAIN PIPING TO REMAIN.

14 TRAP PRIMER TO SERVE FD1. REFER TO DETAIL C/P001.

15 INSTALL 1" O2 PIPING & VALVES TO ACCOMMODATE TEMPORARY 1" O2 MAIN (REFER TO DETAIL #1 ON THIS SHEET) AND FUTURE EXTENSION OF 1" O2 MAIN (REFER TO DETAIL #2 ON THIS SHEET) THRU NEW B210/211 CONNECTOR UPON COMPLETION, PER NFPA 99. PROVIDE THIRD PARTY VERIFIER. VERIFIER SHALL BE PRESENT AT CHANGE-OVER(S) TO MITIGATE DELAYS. PIPING & VALVES SHALL BE TESTED/VERIFIED BEFORE CHANGE-OVERS TO MINIMIZE SYSTEM DOWNTIME AND SHALL BE INSTALLED TO ALLOW CONTINUATION OF EXISTING CENTRAL O2 SYSTEM WITH MINIMAL SHUT-DOWNS REQUIRED FOR CHANGE-OVERS. PROVIDE 14 DAYS WRITTEN NOTICE AND COORDINATE ALL O2 SYSTEM SHUT-DOWNS WITH COTR.

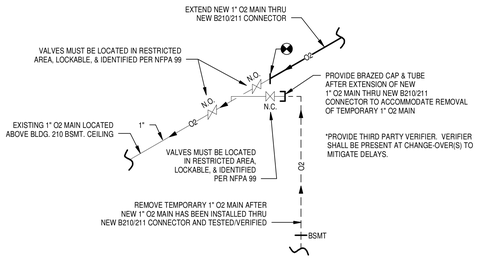
16 EXTEND TEMPORARY 1" O2 MAIN DOWN INTO BLDG. 211 PIPE BSMT. BELOW. SECURELY ANCHOR AND PROTECT VERTICAL PIPING FROM DAMAGE AND PROVIDE FIRESTOPPING AND WATERPROOFING PER SPECIFICATIONS.

17 EXTEND TEMPORARY 1" O2 MAIN UP FROM BLDG. 210 PIPE BSMT. BELOW. SECURELY ANCHOR AND PROTECT VERTICAL PIPING FROM DAMAGE AND PROVIDE FIRESTOPPING AND WATERPROOFING PER SPECIFICATIONS.

18 INSTALL 1" O2 PIPING & VALVES TO ACCOMMODATE TEMPORARY 1" O2 MAIN (REFER TO DETAIL #3 ON THIS SHEET) AND FUTURE EXTENSION OF 1" O2 MAIN (REFER TO DETAIL #4 ON THIS SHEET) THRU NEW B210/211 CONNECTOR UPON COMPLETION, PER NFPA 99. PROVIDE THIRD PARTY VERIFIER. VERIFIER SHALL BE PRESENT AT CHANGE-OVER(S) TO MITIGATE DELAYS. PIPING & VALVES SHALL BE TESTED/VERIFIED BEFORE CHANGE-OVERS TO MINIMIZE SYSTEM DOWNTIME AND SHALL BE INSTALLED TO ALLOW CONTINUATION OF EXISTING CENTRAL O2 SYSTEM WITH MINIMAL SHUT-DOWNS REQUIRED FOR CHANGE-OVERS. PROVIDE 14 DAYS WRITTEN NOTICE AND COORDINATE ALL O2 SYSTEM SHUT-DOWNS WITH COTR.

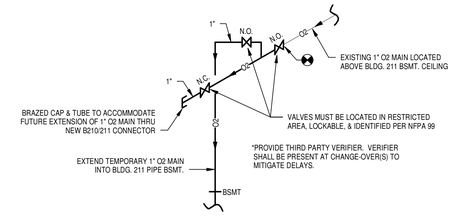
3 TEMPORARY O2 PIPING - BLDG. 210

Scale: N.T.S.



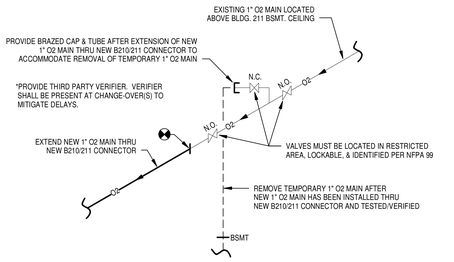
4 PERMANENT O2 PIPING - BLDG. 210

Scale: N.T.S.



1 TEMPORARY O2 PIPING - BLDG. 211

Scale: N.T.S.



2 PERMANENT O2 PIPING - BLDG. 211

Scale: N.T.S.

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Revisions	Date
	12/05/2013

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Drawing Title: BASEMENT PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

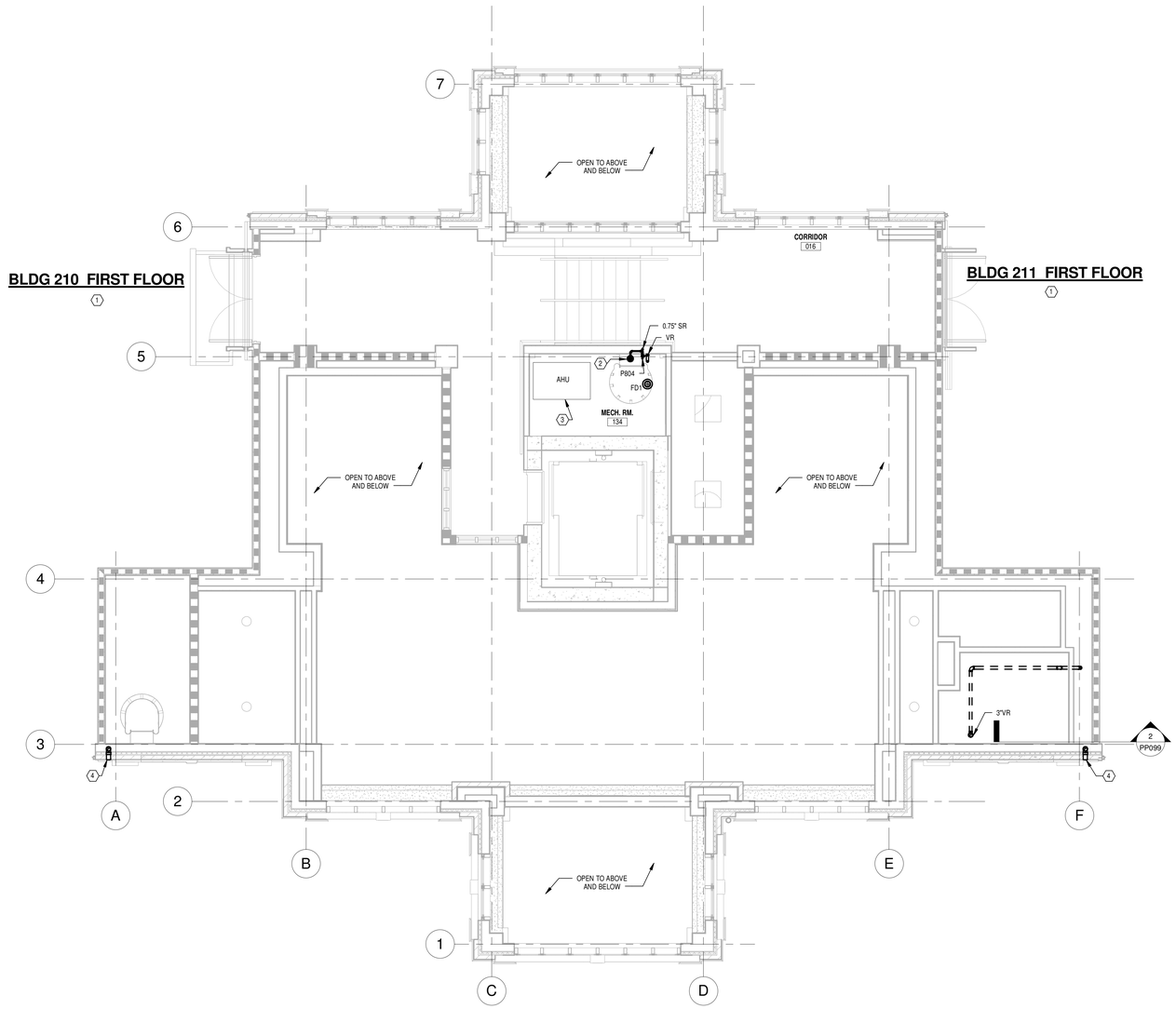
Building Number: 210/211

Drawing Number: PP100

Dwg. 46 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



N
PROJECT

LEVEL 1 PLAN

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

GENERAL NOTES

A REFER TO SHEET P001 FOR LEGEND, SCHEDULES, NOTES, DETAILS AND DRAWING INDEX.

PLAN NOTES

1 EXISTING TO REMAIN.

2 TRAP PRIMER. REFER TO DETAIL C/P001.

3 AHU BY DIVISION 23.

4 EXTEND STORM PIPING SERVING ANGLED GRATE SCUPPER DRAIN ON ROOF ABOVE AND TERMINATE OUT EXTERIOR WALL WITH DOWNSPOUT NOZZLE. REFER TO DETAIL E/P001 FOR DOWNSPOUT NOZZLE.

FULLY SPRINKLERED

Revisions	Date

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Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

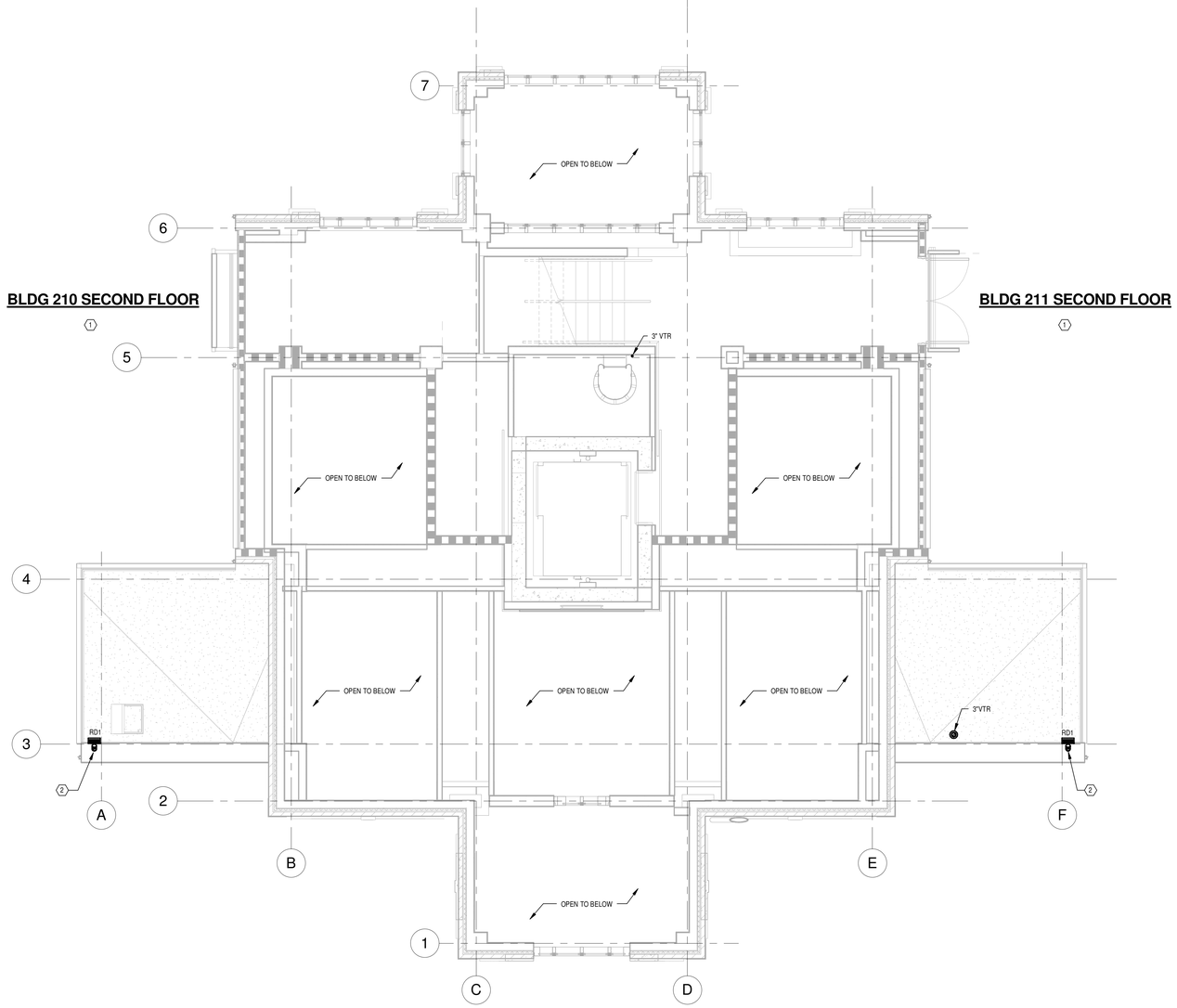
Building Number: 210/211

Drawing Number: PP101

Dwg. 47 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



LEVEL 2 PLAN

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

PROJECT

GENERAL NOTES

A REFER TO SHEET P001 FOR LEGEND, SCHEDULES, NOTES, DETAILS AND DRAWING INDEX.

PLAN NOTES

1 EXISTING TO REMAIN.

2 EXTEND 3" STORM PIPING FROM ANGLED GRATE SCUPPER DRAIN AND DROP VERTICALLY 4'-0" TO TERMINATE STORM PIPING OUT EXTERIOR WALL WITH DOWNSPOUT NOZZLE. REFER TO DETAIL E/P001 FOR DOWNSPOUT NOZZLE.

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: LEVEL 2 PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: RLT | Drawn: DPB

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: PP102

Dwg. 48 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

DRAWING SYMBOLS

2 / H4	DETAIL NUMBER DRAWING NUMBER WHERE DRAWN
A / H7	SECTION LETTER DRAWING NUMBER WHERE DRAWN
1-SF3	BUILDING NO. WHERE EQUIPMENT IS LOCATED. EQUIPMENT ABBREVIATION (SUPPLY FAN) SUPPLY FAN NO.3 IN BUILDING NO.1
	TYPICAL UNIT NO.
1-01	TERMINAL UNIT DESIGNATION AIR HANDLING UNIT NUMBER

DUCTWORK SYMBOLS

UP DN	SUPPLY DUCT (UP & DOWN)
UP DN	RETURN DUCT (UP & DOWN)
UP DN	EXHAUST DUCT (UP & DOWN)
	CEILING DIFFUSERS (FOUR WAY BLOW UNLESS OTHERWISE NOTED)
	EXHAUST OR RETURN CEILING REGISTER OR GRILLE
	SUPPLY TOP REGISTER OR GRILLE (WALL TYPE)
	EXHAUST OR RETURN BOTTOM REGISTER OR GRILLE, (WALL TYPE)
	EXHAUST OR RETURN TOP REGISTER OR GRILLE, (WALL TYPE)
	VANED ELBOW & AIR SPLIT TYPE DUCT TAKE-OFF
R	INCLINED RISE, IN DIRECTION OF AIR FLOW
D	INCLINED DROP, IN DIRECTION OF AIR FLOW
FC	FLEXIBLE CONNECTION
	VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES EVEN IF SYMBOL IS MISSING)
	STANDARD RADIUS ELBOW
10/8	NEW DUCT - WIDTH X DEPTH
	ACOUSTICAL DUCT LINING
	MANUAL VOLUME DAMPER
	FIRE DAMPER
9'-6"	APPROXIMATE ELEVATION FROM FLOOR TO BOTTOM OF LISTED SIZE OF DUCT, DEVICE, OR EQUIPMENT ITEM, AND TO THE CENTER OF PIPE. (TO BE USED AS AN AID IN COORDINATING THE VARIOUS TRADES.)
U/C	DOOR UNDERCUT

PIPING SYMBOLS

HEATING

HPS (125)	HIGH PRESSURE STEAM (60 PSIG AND ABOVE) NUMBER INDICATES STEAM PRESSURE
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
MPS (30)	MEDIUM PRESSURE STEAM (16 PSIG THRU 59 PSIG) NUMBER INDICATES STEAM PRESSURE
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
LPS (5)	LOW PRESSURE STEAM (15 PSIG & BELOW) NUMBER INDICATES STEAM PRESSURE
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
PC	PUMPED CONDENSATE RETURN
HWS	HEATING HOT WATER SUPPLY
HWR	HEATING HOT WATER RETURN
V	VENT LINE

AIR CONDITIONING

CHS	CHILLED WATER SUPPLY
CHR	CHILLED WATER RETURN
D	DRAIN LINE

GENERAL

	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	PIPE ANCHOR
	PIPE GUIDE
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	TOP CONNECTION, 45 DEG. OR 90 DEG.
	BOTTOM CONNECTION, 45 DEG. OR 90 DEG.
	SIDE CONNECTION
	CAPPED OUTLET
	RISE OR DROP IN PIPE
	UNION
	ORIFICE UNION
	PIPE UP
	PIPE DOWN
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK.
	STRAINER
	THERMOMETER
	PRESSURE GAGE
	EXISTING PIPE TO BE REMOVED
	TEST PLUG (PRESSURE/TEMPERATURE)

VALVES

	GATE VALVE
	GLOBE VALVE
	GATE VALVE WITH 3/4" HOSE END ADAPTER
	CHECK VALVE
	ANGLE GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
	COMBINATION BALANCING/SHUT-OFF VALVE
	CIRCUIT SETTER
	STRAIGHT-THRU MODULATING CONTROL VALVE
	STRAIGHT-THRU TWO-POSITION CONTROL VALVE
	THREE-WAY MODULATING CONTROL VALVE
	AUTOMATIC FLOW CONTROL VALVE
	MANUAL AIR VENT

CONTROLS

T H	ROOM CONTROL: THERMOSTAT, HUMIDISTAT
T	REMOTE BULB THERMOSTAT
T	DUCT OR PIPE THERMOSTAT (NOTE 1: PROVIDE 12" MIN. LENGTH IN DUCT WHEN SPACE PERMITS)
T	DUCT THERMOSTAT WITH AVERAGING ELEMENT
T H	ROOM SENSOR: TEMPERATURE, HUMIDITY
T	DUCT OR PIPE TEMP. SENSOR
H	DUCT HUMIDITY SENSOR
SP	DUCT STATIC PRESSURE SENSOR
T	DUCT TEMPERATURE SENSOR WITH AVERAGING ELEMENT
F S	SMOKE DETECTOR (SEE ELECTRICAL SPECIFICATIONS)
H1 N	CONTROL CIRCUIT CONN.
dP	DIFFERENTIAL PRESSURE SWITCH
DP SP	DIFFERENTIAL OR STATIC PRESSURE TRANSMITTER
CS	CURRENT SENSING RELAY
M	METER

ABBREVIATIONS

AD	ACCESS DOOR
AF	AFTER FILTER
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MEASURING DEVICE
AFW	AIR FOIL WHEEL (FAN)
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
APD	AIR PRESSURE DROP
AS	AIR SEPARATOR
ATC	AUTOMATIC TEMPERATURE CONTROLS
BG	BOTTOM GRILLE (WALL TYPE)
BHP	BRAKE HORSEPOWER
BIW	BACKWARD INCLINED WHEEL (FAN)
BG	BOTTOM GRILLE (WALL TYPE)
BR	BOTTOM REGISTER (WALL TYPE)
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
CC	COOLING COIL
CCU	CENTRIFUGAL OR HELICAL ROTARY SCREW CHILLER UNIT
CD	CEILING DIFFUSER
CF	CENTRIFUGAL FAN
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CONV	CONVECTOR
COTR	CONTRACT OFFICERS TECHNICAL REPRESENTATIVE
CR	CEILING REGISTER
CSG	CLEAN STEAM GENERATOR
CUH	CABINET UNIT HEATER
CW	COLD WATER (POTABLE)
D	AUTOMATIC CONTROL DAMPER
Db	DRY BULB TEMPERATURE, DEG. F
DB	DECIBELS
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DI	DIGITAL INPUT
DIA	DIAMETER
DO	DIGITAL OUTPUT
DPS	DIFFERENTIAL PRESSURE SENSOR
DWDI	DOUBLE WIDTH DOUBLE INLET (FAN)
E.A.	EXHAUST AIR
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATIO
EF	EXHAUST FAN
ENT	ENTERING
E.S.P.	EXTERNAL STATIC PRESSURE
EX.	EXISTING
F	FAHRENHEIT
FACP	FIRE ALARM CONTROL PANEL
FBW	FLAT BLADE WHEEL
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FCW	FOWARD CURVED WHEEL
FD	FLOOR DRAIN
F&T	FLOAT AND THERMOSTATIC
FLR.	FLOOR
FPM	FEET PER MINUTE
FT	FEET
FT	FIN TUBE
FTR	FIN TUBE RADIATION
GH	GRAVITY HOOD

ABBREVIATIONS

GPM	GALLONS PER MINUTE
HC	HEATING COIL
HD	HEAD
HP	HORSEPOWER
HPR	HIGH PRESSURE STEAM CONDENSATE RETURN
HPS	HIGH PRESSURE STEAM SUPPLY (60 PSIG & ABOVE)
HRP	HYDRONIC RADIANT CEILING PANEL
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
ICF	IN-LINE CENTRIFUGAL FAN
IFB	INTEGRAL FACE AND BYPASS
IN	INCHES
IN WC	INCHES WATER COLUMN
IN WG	INCHES WATER GAUGE
LAT	LEAVING AIR TEMPERATURE
LBS/HR	POUNDS PER HOUR
LPR	LOW PRESSURE STEAM CONDENSATE RETURN
LPS	LOW PRESSURE STEAM SUPPLY (15 PSIG & BELOW)
LTCP	LOCAL TEMPERATURE CONTROL PANEL
LVG	LEAVING
MAX	MAXIMUM
MB	MIXING BOX
MBH	1000 BTUH
MERV	MINIMUM EFFICIENCY REPORTING VALUE
MIN	MINIMUM
MPR	MEDIUM PRESSURE STEAM CONDENSATE RETURN
MPS	MEDIUM PRESSURE STEAM SUPPLY (16 PSIG THRU 59 PSIG)
MV	MANUAL AIR VENT
NC	NOISE CRITERIA
NOM	NOMINAL
O.A.	OUTSIDE AIR
P	PUMP
PC	PUMPED CONDENSATE
PD	PRESSURE DROP (FEET OF WATER)
PF	PRE-FILTER
PH	PREHEAT COIL
POD	POWER OPERATED, OPPOSED BLADE DAMPER
PPD	POWER OPERATED, PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
R.A.	RETURN AIR
RF	RETURN FAN
Rh	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RV	POWER TYPE ROOF VENTILATOR
S.A.	SUPPLY AIR
SDR	SMOKE DAMPER (RETURN)
SDS	SMOKE DAMPER (SUPPLY)
SF	SUPPLY FAN
SH	STEAM HUMIDIFIER
S.P.	STATIC PRESSURE (INCHES OF WATER)
SP. GR.	SPECIFIC GRAVITY
SPRV	STEAM PRESSURE REDUCING VALVE
SPS	STATIC PRESSURE SENSOR
SWSI	SINGLE WIDTH SINGLE INLET TOP GRILLE (WALL TYPE)
TG	TRANSFER GRILLE
TR	TOP REGISTER (WALL TYPE)
T.S.P.	TOTAL STATIC PRESSURE
U/C	DOOR UNDERCUT BY GENERAL CONTRACTOR
UH	UNIT HEATER
V	VALVE
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
Wb	WET BULB TEMPERATURE, DEG. F
W.B.E.	WHITE BAKED ENAMEL
WF	WATER FILTER

GENERAL NOTES

1. THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
2. ALL PIPING AND DUCTS IN FINISHED ROOMS OR SPACES SHALL BE CONCEALED IN A FURRED CHASE OR ABOVE THE SUSPENDED CEILING.
3. THE FIRST FIGURE OF DUCT SIZE INDICATES DIMENSION OF FACE SHOWN OR INDICATED. DUCT SIZES ARE NET INSIDE DIMENSIONS.
4. ACCESS PANELS IN NON ACCESSIBLE SUSPENDED CEILINGS ARE REQUIRED FOR ALL VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. COORDINATE SIZES AND LOCATIONS WITH OTHER TRADES.
5. TOTAL STATIC PRESSURE NOTED IN THE SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, FILTERS, COILS, ETC.
6. FOR TYPICAL STEAM, WATER AND REFRIGERANT PIPING CONNECTIONS TO EQUIPMENT, SEE STANDARD DETAILS AND PIPING SCHEMATICS.
7. DIFFUSER, REGISTER AND GRILLE SIZES SHOWN ON FLOOR PLANS ARE NECK SIZES.
8. WATER PIPE CONNECTIONS TO AIR HEATING AND COOLING COILS SHALL BE MADE TO PROVIDE COUNTER FLOW BETWEEN WATER AND AIR.
9. REFER TO ARCHITECTURAL FIRE-RATED PARTITION PLAN, SHEET G100 FOR LOCATIONS AND FIRE-RATINGS OF NEW AND EXISTING WALL ASSEMBLIES. ALL PENETRATIONS THROUGH FIRE-RATED ASSEMBLIES SHALL BE PROTECTED AND/OR FIRE-STOPPED AS REQUIRED TO MAINTAIN FIRE-RATINGS INDICATED. COORDINATE WITH ALL TRADES TO ENSURE FIRE-RATED PENETRATION REQUIREMENTS AND DETAILS ARE MET.
10. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF CEILING DIFFUSERS, REGISTERS, AND GRILLES.
11. WHERE DUCTS OR PIPES ARE REMOVED THRU WALL/FLOOR/ROOF THAT IS TO REMAIN, PATCH WALL/FLOOR/ROOF OPENING TO MATCH EXISTING WHERE OPENING IS NOT RE-USED.
12. ALL PRESSURES LISTED ARE GAGE PRESSURE UNLESS OTHERWISE NOTED.
13. ALL CUTTING AND PATCHING REQUIRED FOR THIS PROJECT SHALL BE INCLUDED IN THE CONTRACT. REFINISH ANY SURFACE DISTURBED UNDER THIS WORK TO MATCH EXISTING.
14. IN GENERAL, KEEP DUCT AND PIPING MAINS NEXT TO UNDERSIDE OF STRUCTURE.
15. ANNULAR SPACE OF ALL PIPE, CONDUIT, DUCT & OTHER SIMILAR PENETRATIONS OF FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED. IN ADDITION, PENETRATIONS THROUGH 0-HOUR RATED WALLS & FLOORS SHALL BE FIRESTOPPED TO RETARD PASSAGE OF FIRE & SMOKE.
16. INSULATE DUCTWORK AND PIPING WHERE EXISTING INSULATION HAS BEEN DAMAGED AND/OR REMOVED IN THE PERFORMANCE OF WORK IN THIS PROJECT.
17. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION, AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
18. WHERE EXISTING HVAC UTILITIES IN SERVICE WILL BE DISRUPTED DURING THE CONSTRUCTION OF THIS PROJECT, THIS WORK SHALL BE PERFORMED ON WEEKENDS OR WEEK NIGHTS, IF REQUIRED BY THE COTR DOWNTIME SHALL BE KEPT TO A MINIMUM, AND SHALL BE COORDINATED AND SCHEDULED WELL IN ADVANCE WITH THE COTR.
19. THE CONTRACT DRAWINGS ARE NOT INTENDED TO SHOW EVERY VERTICAL OR HORIZONTAL OFFSET WHICH MAY BE NECESSARY TO COMPLETE THE SYSTEMS. COORDINATE WORK IN ADVANCE WITH ALL OTHER TRADES AND REPORT IMMEDIATELY ANY DIFFICULTIES WHICH CAN BE ANTICIPATED.
20. FIELD VERIFY EXISTING CONDITIONS, INCLUDING DUCT, PIPE AND EQUIPMENT SIZES, SERVICES AND LOCATIONS PRIOR TO PERFORMING WORK.
21. HEPA FILTERED EXHAUST IS REQUIRED TO MAINTAIN A MINIMUM OF 0.01" W.G. NEGATIVE PRESSURE IN CONSTRUCTION AREAS. COORDINATE WITH GENERAL CONTRACTOR AND THE COTR.
22. ALL ITEMS THAT REQUIRE ACCESS, SUCH AS FOR OPERATING, CLEANING, SERVICING, MAINTENANCE, AND CALIBRATION, SHALL BE EASILY AND SAFELY ACCESSIBLE BY PERSONS STANDING AT FLOOR LEVEL, OR STANDING ON PERMANENT PLATFORMS, WITHOUT THE USE OF PORTABLE LADDERS. EXAMPLES OF THESE ITEMS INCLUDE, BUT ARE NOT LIMITED TO: ALL TYPES OF VALVES, FILTERS AND STRAINER, TRANSMITTERS, CONTROL DEVICES, ETC.
23. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.

DRAWING INDEX

SHEET	DESCRIPTION
M001	INDEX, LEGEND, AND GENERAL NOTES
MH101	BASEMENT FLOOR PLAN - REMOVALS AND NEW WORK
MH102	LEVEL 1 PLAN - NEW WORK
MH103	LEVEL 2 PLAN - NEW WORK
MH104	ROOF PLAN - NEW WORK
M501	DETAILS
M502	DETAILS
M601	SCHEDULES AND DETAILS

FULLY SPRINKLERED

Revisions | Date

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Drawing Title: INDEX, LEGEND, AND GENERAL NOTES

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

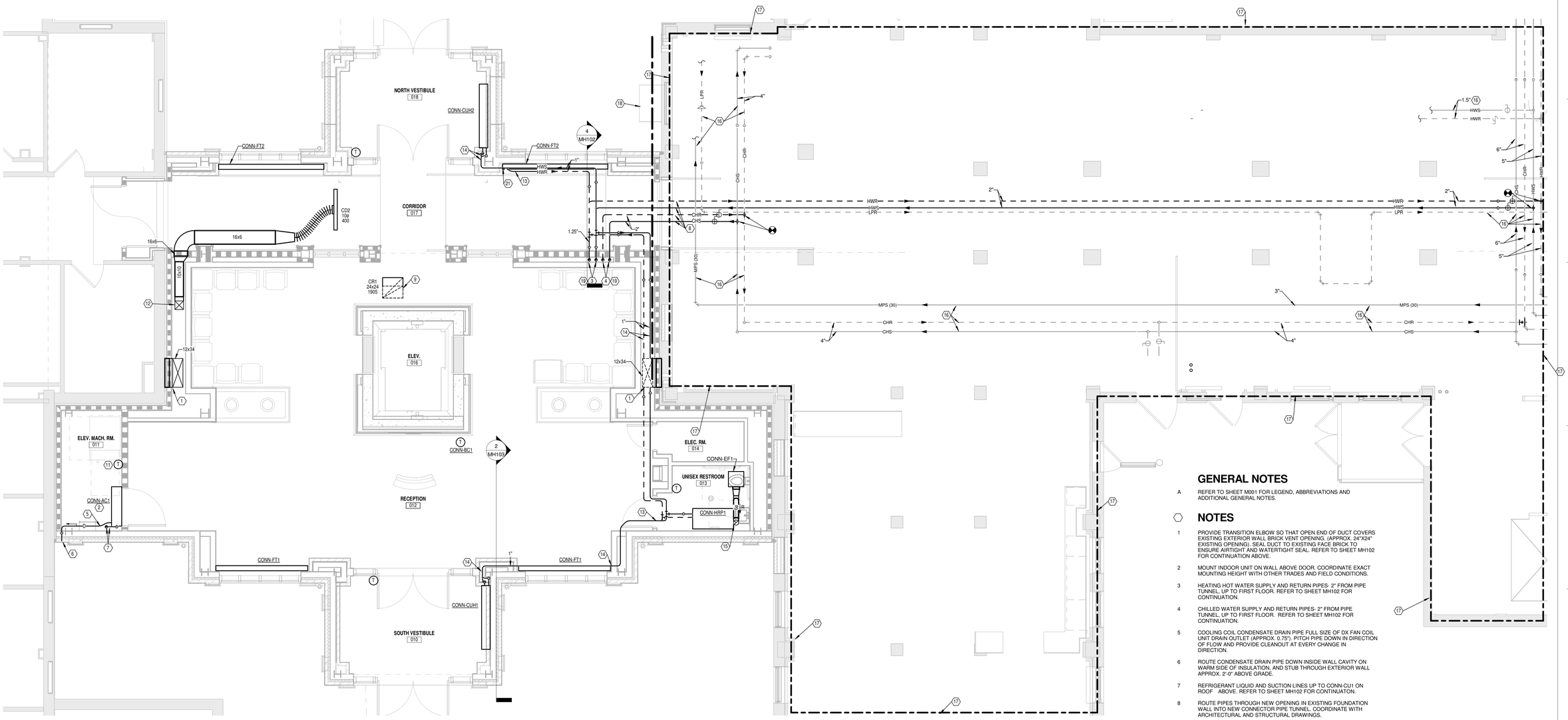
Building Number: 210/211

Drawing Number: M001

Dwg. 49 of 70

Office of Construction and Facilities Management

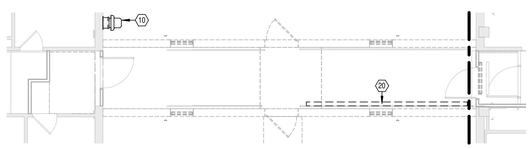
Department of Veterans Affairs



N 1 PLAN

BASEMENT FLOOR PLAN - NEW WORK

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



N 2 PLAN

BASEMENT FLOOR PLAN - REMOVALS

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

GENERAL NOTES

A REFER TO SHEET M001 FOR LEGEND, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

NOTES

1 PROVIDE TRANSITION ELBOW SO THAT OPEN END OF DUCT COVERS EXISTING EXTERIOR WALL BRICK VENT OPENING. (APPROX. 24"X24" EXISTING OPENING). SEAL DUCT TO EXISTING FACE BRICK TO ENSURE AIRTIGHT AND WATERTIGHT SEAL. REFER TO SHEET MH102 FOR CONTINUATION ABOVE.

2 MOUNT INDOOR UNIT ON WALL ABOVE DOOR. COORDINATE EXACT MOUNTING HEIGHT WITH OTHER TRADES AND FIELD CONDITIONS.

3 HEATING HOT WATER SUPPLY AND RETURN PIPES- 2" FROM PIPE TUNNEL, UP TO FIRST FLOOR. REFER TO SHEET MH102 FOR CONTINUATION.

4 CHILLED WATER SUPPLY AND RETURN PIPES- 2" FROM PIPE TUNNEL, UP TO FIRST FLOOR. REFER TO SHEET MH102 FOR CONTINUATION.

5 COOLING COIL CONDENSATE DRAIN PIPE FULL SIZE OF DX FAN COIL UNIT DRAIN OUTLET (APPROX. 0.75"). PITCH PIPE DOWN IN DIRECTION OF FLOW AND PROVIDE CLEANOUT AT EVERY CHANGE IN DIRECTION.

6 ROUTE CONDENSATE DRAIN PIPE DOWN INSIDE WALL CAVITY ON WARM SIDE OF INSULATION, AND STUB THROUGH EXTERIOR WALL APPROX. 2'-0" ABOVE GRADE.

7 REFRIGERANT LIQUID AND SUCTION LINES UP TO CONN-CU1 ON ROOF ABOVE. REFER TO SHEET MH102 FOR CONTINUATON.

8 ROUTE PIPES THROUGH NEW OPENING IN EXISTING FOUNDATION WALL INTO NEW CONNECTOR PIPE TUNNEL. COORDINATE WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

9 RETURN DUCT UP TO FIRST FLOOR ABOVE. REFER TO MECH ROOM ON SHEET MH102 FOR CONTINUATION.

10 REMOVE EXISTING SIDEWALL EXHAUST FAN AND ASSOCIATED WIRING, SUPPORTS, ACCESSORIES, ETC.

11 WALL MOUNTED THERMOSTAT ASSOCIATED WITH SPLIT SYSTEM BY SPLIT SYSTEM MANUFACTURER.

12 10"X10" SUPPLY DUCT DOWN FROM ABOVE. REFER TO SHEET MH102 FOR CONTINUATION.

13 PROVIDE CONTROL VALVE AND OTHER REQUIRED PIPING SPECIALTIES FOR CONN-CUH ABOVE LAY-IN CEILING AT THIS APPROXIMATE LOCATION. REFER TO PIPING DETAIL ON SHEET MH502.

14 RUN PIPING CONCEALED IN BUILDING CONSTRUCTION. COORDINATE WITH ARCHITECTURAL DRAWINGS.

15 6" DIAMETER EXHAUST DUCT UP THRU ROOF. REFER TO SHEET MH102 FOR CONTINUATION.

16 EXISTING PIPING TO REMAIN.

17 PLAN REGION INDICATED BY POLYLINE SHOWS PIPE BASEMENT LEVEL. EVERYTHING ELSE ON THIS SHEET SHOWS GROUND FLOOR LEVEL.

18 EXISTING AHU OUTSIDE AIR INTAKE HOOD FOR EXISTING AHU TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION ACTIVITIES AND COVER OPENING WITH TEMPORARY FILTER MATERIAL TO MINIMIZE INTAKE OF DUST.

19 ROUTE INSULATED PIPES THROUGH SLEEVES PROVIDED BY OTHERS IN GRADE BEAM.

20 REMOVE EXISTING HOT WATER CABINET CONVECTOR AND ASSOCIATED PIPING, CONTROLS, ETC.

21 OFFSET PIPE AND RUN STACKED INSIDE COLUMN FUR-OUT.

FULLY SPRINKLERED

Revisions	Date
	12/05/2013

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Drawing Title: BASEMENT FLOOR PLAN - REMOVALS AND NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

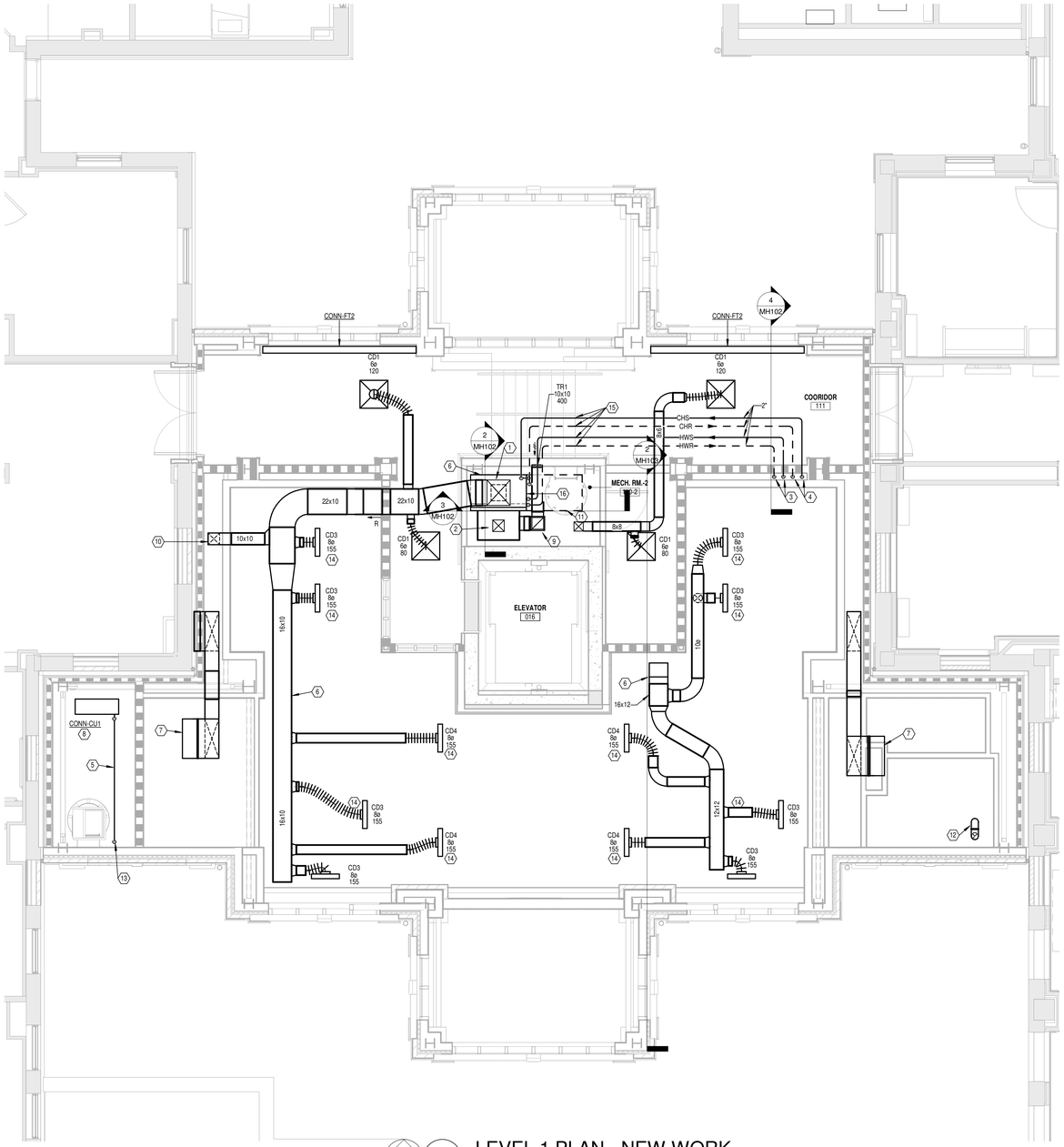
Building Number: 210/211

Drawing Number: MH101

Dwg. 50 of 70

Office of Construction and Facilities Management

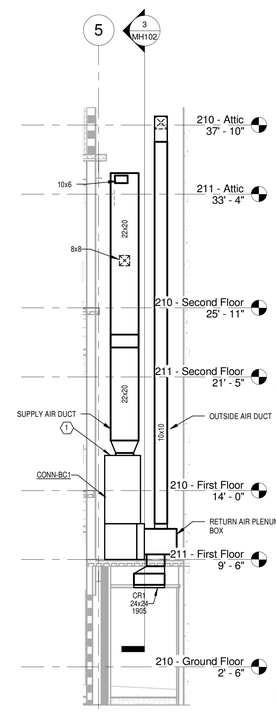
Department of Veterans Affairs



N 1 LEVEL 1 PLAN - NEW WORK

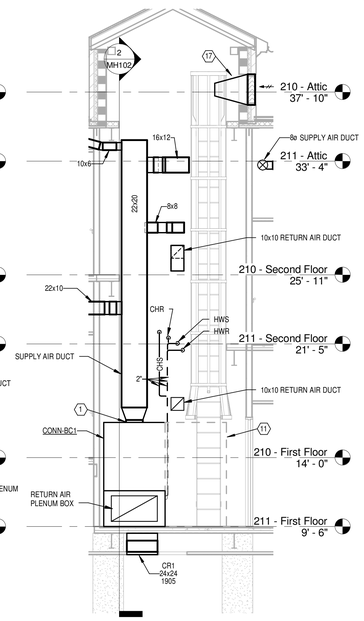
PLAN

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



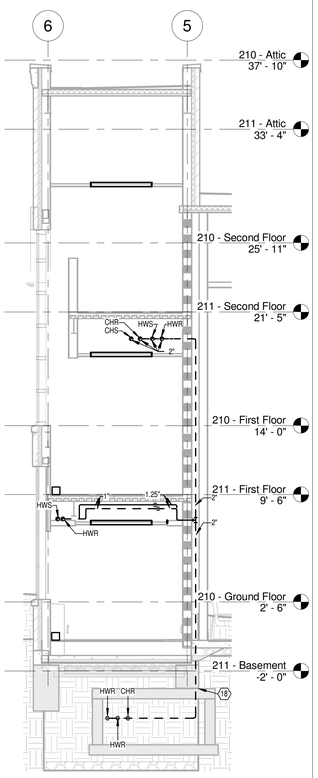
2 MECH. ROOM AHU SECTION - LOOKING EAST

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



3 MECH. ROOM SECTION - LOOKING NORTH

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



4 CORRIDOR SECTION - LOOKING EAST

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

GENERAL NOTES

A REFER TO SHEET M001 FOR LEGEND, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

B ALL MANUAL BALANCE DAMPERS FOR AIR DEVICES SHALL BE INSTALLED ABOVE ACCESSIBLE (LAY-IN) CEILINGS, AT TAKEOFF FROM MAIN AS SHOWN IN DETAIL ON SHEET M501.

NOTES

1 22" X 20" SUPPLY DUCT UP FROM TOP OF CONN-BC1. TRANSITION AT UNIT TO FULL SIZE OF UNIT OUTLET AND PROVIDE FLEXIBLE CONNECTION.

2 10" X 10" OUTSIDE AIR DUCT FROM ABOVE. REFER TO ON SHEET MH103 FOR CONTINUATION.

3 HEATING HOT WATER SUPPLY AND RETURN PIPES- 2" FROM PIPE TUNNEL. REFER TO SHEET MH101 FOR CONTINUATION.

4 CHILLED WATER SUPPLY AND RETURN PIPES- 2" FROM PIPE TUNNEL. REFER TO SHEET MH101 FOR CONTINUATION.

5 REFRIGERANT PIPING ACROSS ROOF. PIPE SIZE, ACCESSORIES, AND INSTALLATION OF PIPING SHALL BE PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS. APPROXIMATE ROUTE SHOWN.

6 PROVIDE 5" HOUSEKEEPING PAD UNDER BLOWER COIL UNIT, PER DETAIL ON SHEET M501.

7 34" X 12" OUTSIDE AIR VENTILATION DUCT FROM GROUND FLOOR UP THROUGH ROOF. TERMINATE AT GOOSENECK FITTING. PROVIDE ROOF CURB, FLASHING AND 1/2" GALVANIZED MESH BIRDSCREEN AT OUTLET.

8 PROVIDE EQUIPMENT SUPPORT ROOF CURB FOR CONDENSING UNIT. REFER TO DETAIL ON SHEET M501.

9 10" X 10" RETURN DUCT DOWN FROM ABOVE. TRANSITION TO 12"x12" IN VERTICAL AND TAP INTO THE RETURN PLENUM ON SIDE OF UNIT.

10 10"X10" SUPPLY DUCT DOWN TO GROUND FLOOR BELOW. REFER TO SHEET MH101 FOR CONTINUATION.

11 PROVIDE MANUFACTURER'S SUGGESTED CLEARANCE FOR CONN-BC1.

12 6" DIA. EXHAUST DUCT FROM BELOW. DUCT UP THRU ROOF AND TERMINATE AT GOOSENECK FITTING. PROVIDE ROOF CURB, FLASHING, AND 1/2" GALVANIZED MESH BIRDSCREEN AT OUTLET.

13 REFRIGERANT LIQUID AND SUCTION LINES DOWN THRU ROOF TO CONN-AC1 BELOW. PROVIDE PIPE PENETRATION ROOF CURB AT ROOF OPENING. REFER TO SHEET MH101 FOR CONTINUATON.

14 ADJUST PATTERN TO VERTICAL THROW.

15 OFFSET PIPING UP PARALLEL WITH STAIRS ABOVE CEILING AT THIS APPROXIMATE LOCATION.

16 EXTEND COOLING COIL CONDENSATE DRAIN PIPE TO FLOOR DRAIN.

17 TRANSITION DUCT TO FULL SIZE OF LOUVER. SLOPE BOTTOM OF TRANSITION TO DRAIN TO LOUVER. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION OF LOUVER.

18 ROUTE INSULATED PIPES THROUGH SLEEVES PROVIDED BY OTHERS IN GRADE BEAM.

FULLY SPRINKLERED

Revisions	Date
	12/05/2013

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Drawing Title: LEVEL 1 PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

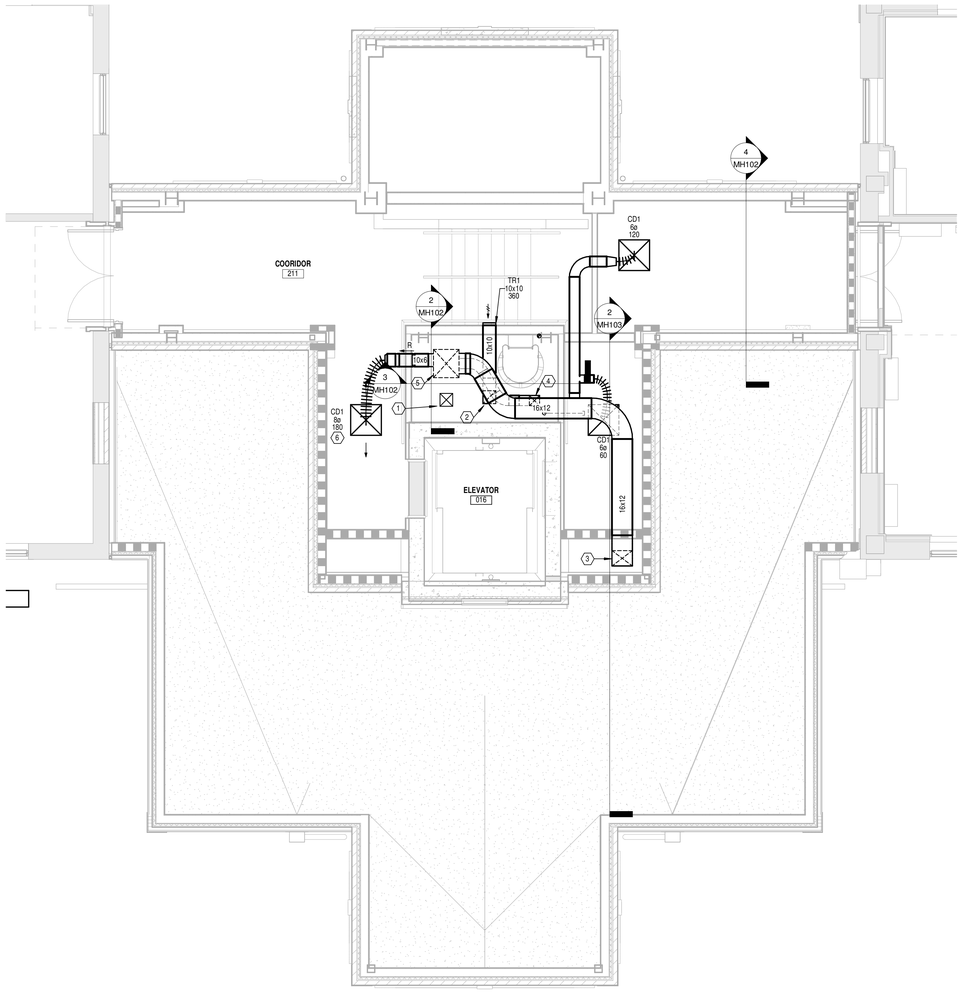
Building Number: 210/211

Drawing Number: MH102

Dwg. 51 of 70

Office of Construction and Facilities Management

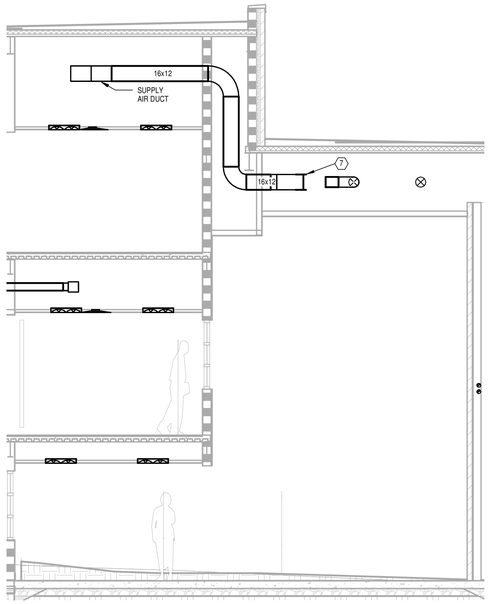
Department of Veterans Affairs



N 1 LEVEL 2 PLAN - NEW WORK

PLAN

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



2 DUCTWORK SECTION LOOKING EAST

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

GENERAL NOTES

A REFER TO SHEET M001 FOR LEGEND, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

NOTES

1 10" X 10" OUTSIDE AIR DUCT FROM ABOVE. REFER TO SHEET MH104 FOR CONTINUATION.

2 12" X 12" RETURN DUCT DOWN TO FIRST FLOOR. REFER TO SHEET MH102 FOR CONTINUATION.

3 16"X12" SUPPLY DUCT DOWN TO FIRST FLOOR. REFER TO SHEET MH102 FOR CONTINUATION.

4 8"x8" SUPPLY DUCT DOWN TO FIRST FLOOR. REFER TO SHEET MH102 FOR CONTINUATION.

5 22"x20" SUPPLY DUCT UP FROM BELOW. REFER TO MH102 FOR CONTINUATION. CAP OPEN END OF DUCT AT TOP AND SEAL AIRTIGHT.

6 PROVIDE 2-WAY AIR THROW PATTERN AS SHOWN.

7 16"X12" SUPPLY DUCT OFFSETS TO ABOVE LAY-IN CEILING. REFER TO SHEET MH102 FOR CONTINUATION.

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Revisions	Date
	12/05/2013

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Drawing Title: LEVEL 2 PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013

Checked: JAC

Drawn: TEG

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

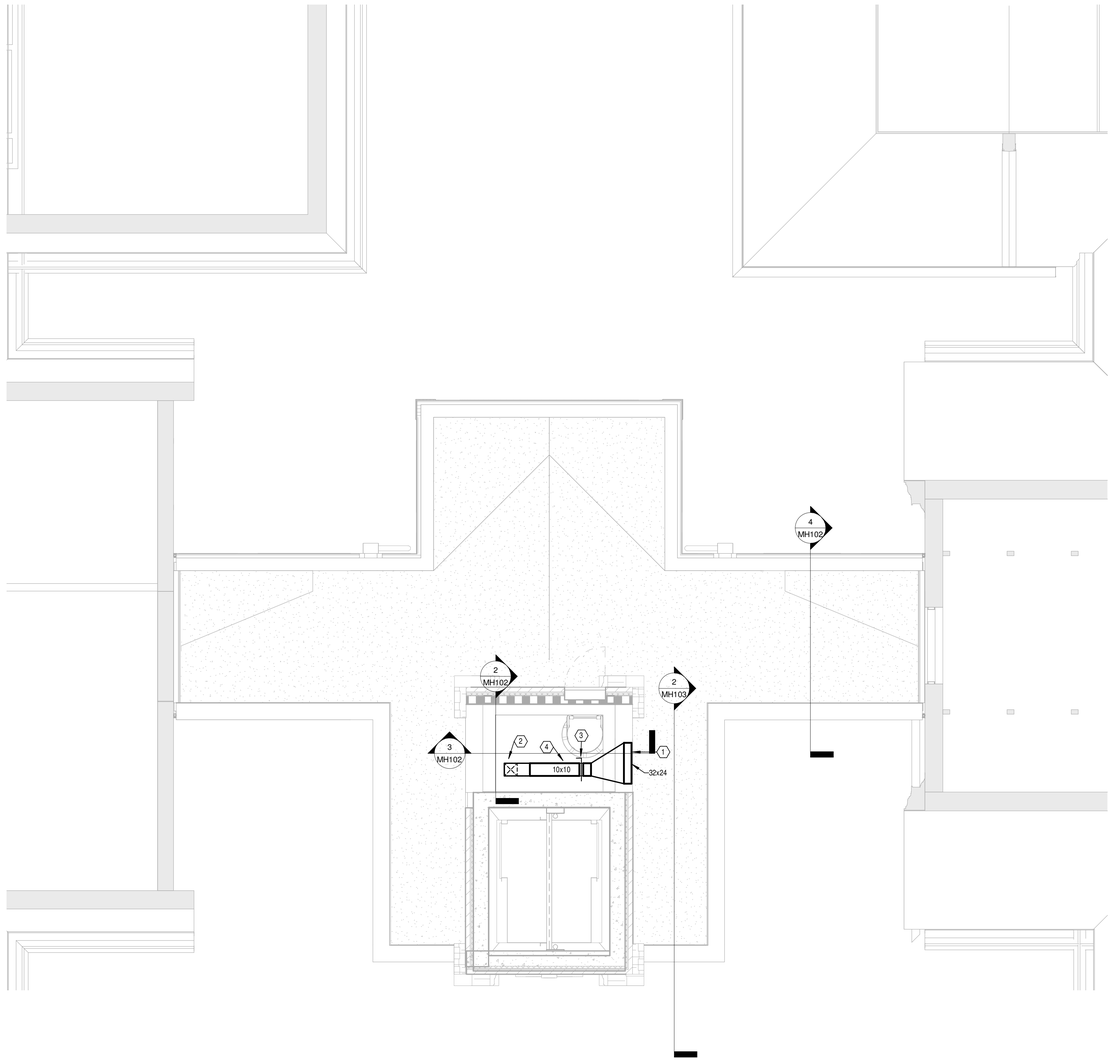
Building Number: 210/211

Drawing Number: MH103

Dwg. 52 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



N 1 PLAN

ROOF PLAN - NEW WORK

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

GENERAL NOTES

A REFER TO SHEET M001 FOR LEGEND, ABBREVIATIONS AND ADDITIONAL GENERAL NOTES.

NOTES

1 TRANSITION DUCT TO FULL SIZE OF LOUVER. SLOPE BOTTOM OF TRANSITION TO DRAIN TO LOUVER. REFER TO ARCHITECTURAL PLANS FOR EXACT SIZE AND LOCATION OF LOUVER.

2 10" X 10" OUTSIDE AIR DUCT DOWN TO CONN-BC1 BELOW. REFER TO SHEET MH102 FOR CONTINUATION.

3 PROVIDE THERMALLY BROKEN AND INSULATED AUTOMATIC 2-POSITION OUTSIDE AIR DAMPER. REFER TO BLOWER COIL CONTROL SEQUENCE ON SHEET M601 FOR OPERATION.

4 PROVIDE DUCT ACCESS DOOR AT THIS LOCATION FOR ACCESS TO CONTROL DAMPER, PER DETAIL ON SHEET M502.

FULLY SPRINKLERED

Revisions	Date
	12/05/2013

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Drawing Title: ROOF PLAN - NEW WORK

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

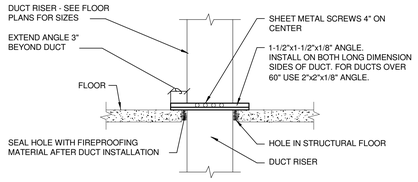
Building Number: 210/211

Drawing Number: MH104

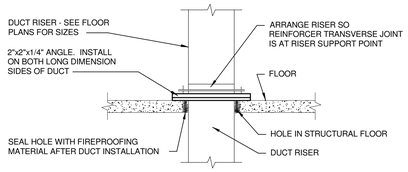
Dwg. 53 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



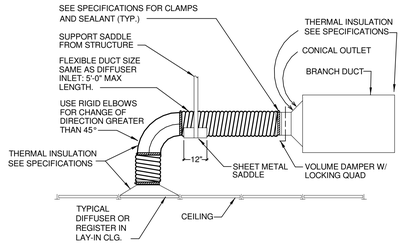
0.5 INCH WG TO 2 INCHES WG (LOW PRESSURE) DUCT RISER SUPPORT



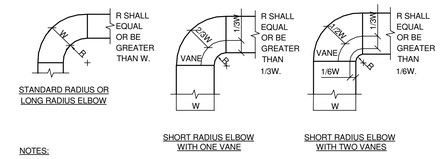
2 INCHES WG TO 4 INCHES WG (HIGH AND MEDIUM PRESSURE) DUCT RISER SUPPORT

NOTE:
ALL DUCT WORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THRU ATTIC FLOORS AND MECHANICAL ROOM FLOORS SHALL BE PROVIDED WITH A 3" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.

DUCT RISER SUPPORTS



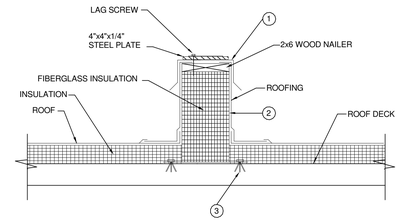
FLEXIBLE AIR DUCT CONNECTOR



NOTES:

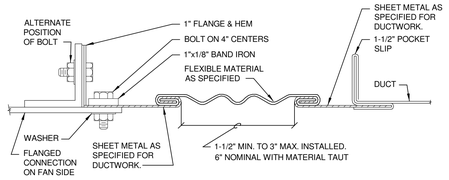
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS CAN BE SUBSTITUTED WITH SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

DUCTWORK RADIUS ELBOWS

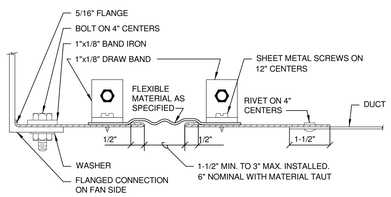


1. 18 GAUGE GALVANIZED STEEL COUNTER-FLASHING.
2. WELDED 14 GAUGE EQUIPMENT SUPPORT CURB, MEETING ASTM A-446, 525, 526 AND 527 REQUIREMENTS, WITH WELDED CORNERS WITH SEAMS JOINED BY CONTINUOUS WELDS. CURB SHALL BE INTERNALLY REINFORCED WITH BULKHEADS AND SPREADERS, 24" ON CENTER TO MEET LOAD RATING OF EQUIPMENT. CURB TO EXTEND 6" BEYOND EQUIPMENT. REFER TO FLOOR PLANS FOR HEIGHT.
3. SECURE CURB TO ROOF WITH EXPANSION BOLTS (CONCRETE ROOF) OR RUST RESISTANT BOLTS (METAL DECK AND BAR JOIST ROOF), 12" O.C.

EQUIPMENT/DUCT SUPPORT ROOF CURB

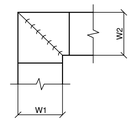


RECTANGULAR FLEXIBLE CONNECTION



ROUND FLEXIBLE CONNECTION

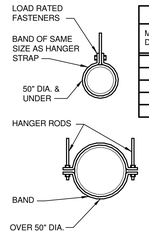
FLEXIBLE DUCT CONNECTIONS



NOTES:

1. ALL VANE ELBOWS SHALL BE CONSTRUCTED AND INSTALLED AS DETAILED BY SMACNA.
2. WHEN W1 DOES NOT EQUAL W2, VANE SHALL BE SINGLE THICKNESS VANE TYPE REGARDLESS OF W DIMENSION.
3. ALL SINGLE THICKNESS VANES SHALL HAVE A 2" RADIUS, 1 1/2" MAXIMUM SPACE BETWEEN VANES AND A 3/4" TRAILING EDGE.
4. WHEN W EQUALS W2 AND W1 IS GREATER THAN 20", VANES SHALL BE DOUBLE VANE TYPE.

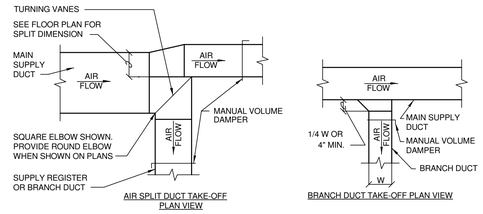
DUCTWORK SQUARE VANE ELBOWS



HANGER STRAPS OR RODS			
MAX. DUCT DIA. - IN.	QUANTITY/SIZE IN.	MAX. LOAD LBS.	MAX. SPACING IN.
26	ONE 1 x 22 GA. STRAP	260	144
36	ONE 1 x 18 GA. STRAP	420	144
50	ONE 1 x 16 GA. STRAP	700	144
60	TWO 3/8 DIA. RODS	1320	144
84	TWO 1/2 DIA. RODS	2500	144

NOTE:
TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

ROUND DUCT HANGERS

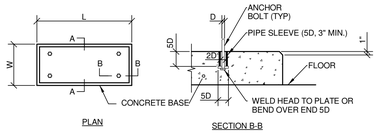


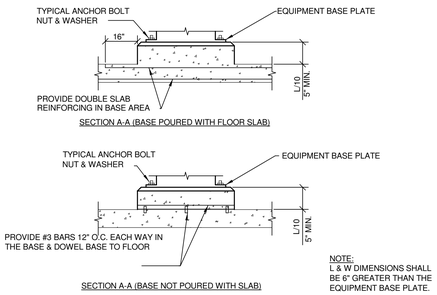
AIR SPLIT DUCT TAKE-OFF PLAN VIEW

BRANCH DUCT TAKE-OFF PLAN VIEW

THE BRANCH DUCT TAKE-OFF MAY BE USED FOR UP TO 15% OF THE MAIN DUCT CFM ANYTIME, AND UP TO 40% WHEN THE MAIN DUCT VELOCITY IS 1000 FPM OR LESS. THE AIR SPLIT DUCT TAKE-OFF SHALL BE USED IN ALL OTHER CASES

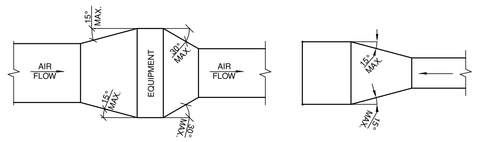
SUPPLY DUCTWORK TAKE-OFFS





NOTE:
L & W DIMENSIONS SHALL BE 6" GREATER THAN THE EQUIPMENT BASE PLATE.

CONCRETE EQUIPMENT BASES

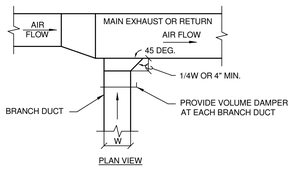


TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

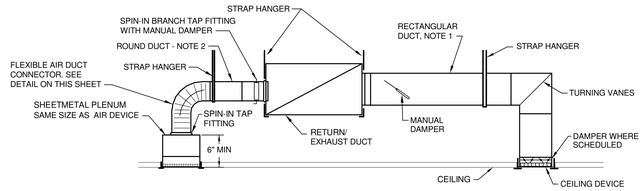
TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

NOTE:
UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.

DUCTWORK TRANSITIONS



EXHAUST OR RETURN BRANCH DUCTWORK



NOTES:

1 BRANCH DUCT TAKE-OFF WITH MANUAL DAMPER.

2 BRANCH DUCT SIZES, UNLESS NOTED ON PLANS ARE TO BE SIZED AS FOLLOWS:
100 CFM AND LESS - 6" DIA.
101 CFM TO 250 CFM - 8" DIA.
251 CFM TO 400 CFM - 10" DIA.
401 CFM TO 700 CFM - 12" DIA.

RETURN OR EXHAUST GRILLE/REGISTER CONNECTION

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

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Drawing Title: DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

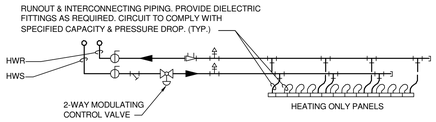
Building Number: 210/211

Drawing Number: M501

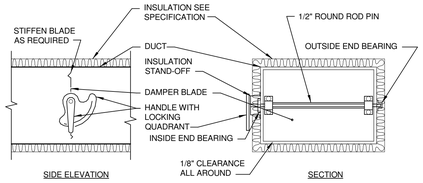
Dwg. 54 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



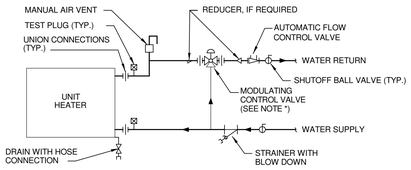
HYDRONIC RADIANT CEILING PANEL PIPING



NOTES:

1. DELETE INSULATION STAND-OFF ON DUCTWORK WITHOUT EXTERIOR INSULATION.
2. DETAIL SHOWS SINGLE BLADE DAMPER. DAMPER INSTALLATION SHALL BE SIMILAR FOR MULTI-BLADE DAMPERS & ROUND DAMPERS.

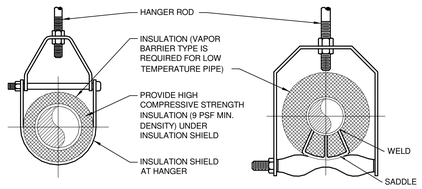
VOLUME DAMPER DETAIL

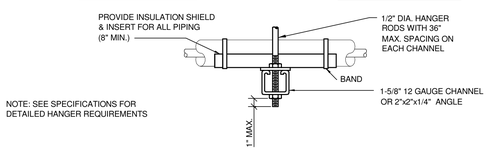


NOTE: THIS DETAIL APPLIES TO VAV/CV REHEAT UNITS AND UNIT HEATERS.

* REFER TO UNIT HEATER SCHEDULE ON SHEET M601 FOR VALVE TYPE (2-WAY OR 3-WAY)

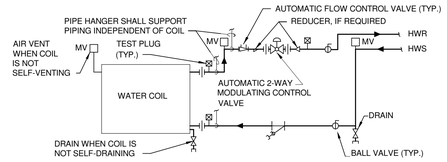
UNIT HEATER PIPING CONNECTIONS





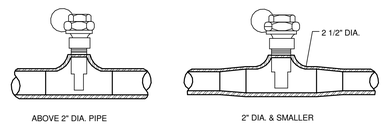
MAXIMUM PIPE/TUBING SUPPORT SPACING																		
NOM. SIZE	IN.	THRU 3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	8	10	12	14	16	18	20	24
PIPE	FT.	7	7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
TUBING	FT.	5 FT	6	7	8	8	9	10	12	13	14	16	-	-	-	-	-	-	-
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.																			

PIPE HANGERS

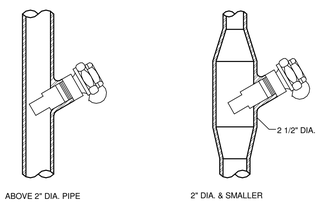


1. WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATORS THE FIRST 2 HANGERS FOR EACH PIPE SHALL BE SPRING & NEOPRENE TYPE. TYPE "H" FOR 4" DIA. PIPE & SMALLER. TYPE "H-P" FOR 5" DIA. PIPE & LARGER.
2. PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALVES, OR EQUIPMENT.
3. THE FLOW ELEMENT MAY BE INSTALLED IN THE SUPPLY PIPING IF THE REQUIRED MINIMUM UPSTREAM AND DOWNSTREAM DIMENSIONS CANNOT BE OBTAINED IN THE RETURN PIPING.

PREHEAT COILS (HOT WATER) - PIPING CONNECTIONS

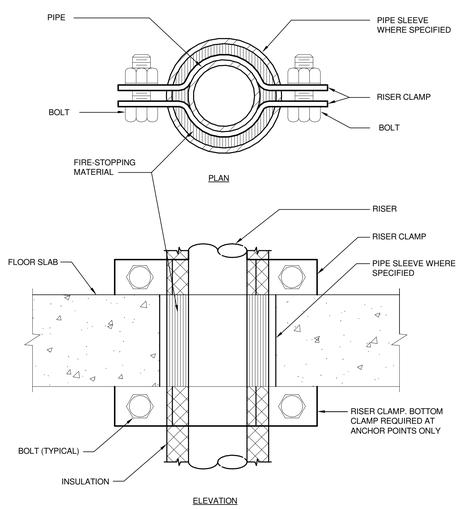


HORIZONTAL

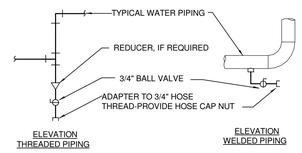


VERTICAL

INSTALLATION OF THERMOMETER WELLS

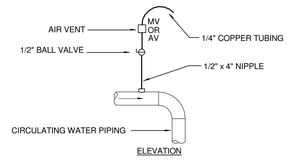


SUPPORT/ANCHOR FOR PIPE RISERS



TYPICAL CHILLED AND HOT WATER PIPING DRAIN VALVE CONNECTIONS

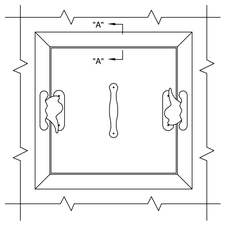
NOTES:
1. DRAIN ALL LOW POINTS AS INDICATED ABOVE.
2. WHERE SCALE POCKETS ARE SHOWN ON PIPE RISER DIAGRAMS AND/OR PLANS, LOCATE DRAIN AT BOTTOM OF SCALE POCKET.

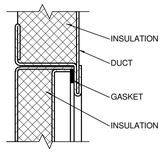


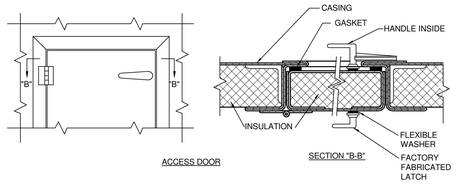
TYPICAL MANUAL AIR VENT

NOTES:
1. VENT ALL HIGH POINTS AS INDICATED ABOVE.
2. IF AUTOMATIC AIR VENTS ARE USED, PIPE DISCHARGE TO NEAREST DRAIN.

DRAIN VALVE AND AIR VENT CONNECTIONS (HYDRONIC SYSTEMS)



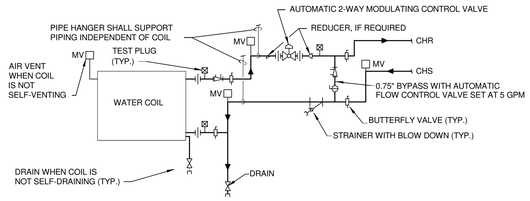




NOTES:

1. LATCHES SHALL BE OF THE WEDGE TYPE TO CLOSE DOORS TIGHTLY.
2. HINGES ON THE ACCESS DOORS SHALL HAVE NON-CORROSIVE PINS.
3. SEE SMACNA 2005, FIGURE 9-15

ACCESS PANEL AND DOOR DETAIL



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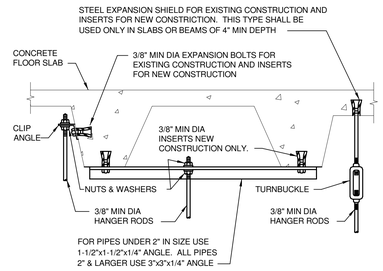
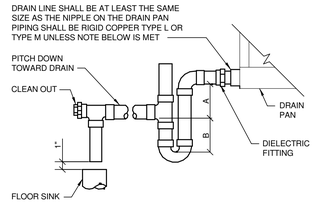
CHILLED WATER COILS - PIPING CONNECTIONS



SECURING HANGER RODS IN CONCRETE



NOTE: 1. CPVC PIPE MAY BE USED ONLY IF APPROVED BY LOCAL VA AND IS INDOORS AND DOES NOT PASS THROUGH RATED BARRIERS.
2. DIELECTRIC FITTING TO BE USED WHEN TWO DISSIMILAR METALS ARE TO BE CONNECTED.

UNIT TYPE	A	B
DRAW THRU	2" PLUS X	X
BLOW THRU	1" MINIMUM	2X

WHERE X = STATIC PRESSURE IN PAN

AIR HANDLING UNIT DRAIN TRAP DETAIL

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: JAC | Drawn: TEG

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: M502

Dwg. 55 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

HVAC DESIGN DATA

OUTDOOR DESIGN TEMPERATURES	95 DEG. F Db SUMMER 78 DEG. F Wb SUMMER 0 DEG. F Db WINTER	DESIGN ALTITUDE: 482 FT.

INDOOR AREA DESIGN CONDITIONS	SUMMER		WINTER	
	Db (F)	% HUMIDITY	Db (F)	% HUMIDITY
BATHROOMS & TOILET ROOMS	-	-	70	-
ALL OTHER AREAS	75	-	70	-

DUCT PRESSURE CLASS & LEAKAGE TABLE

SYSTEM	DUCT INVOLVED	POSITIVE (P) OR NEGATIVE (N) PRESSURE	SMACNA CONST. CLASS W.G.	SMACNA SEAL CLASS	SMACNA LEAKAGE CLASS	
					RECTANGULAR DUCT	ROUND DUCT
ALL SYSTEMS	ALL DUCTWORK EXCEPT AS LISTED BELOW.	P/N	± 2"	A	6	3
	SUPPLY AIR DUCTS FROM OUTLET OF AH-UNIT TO SUPPLY AIR DEVICES	P	2"	A	6	3
	RETURN AIR DUCTS FROM CEILING REGISTERS/GRILLES TO INLET OF AH-UNIT	N	-2"	A	6	3
	GENERAL EXHAUST DUCTS	N	-2"	A	6	3
	OUTSIDE AIR DUCTS	N	-2"	A	6	3

AIR FILTER SCHEDULE

FILTER NO.	CFM	SYSTEM	MERV RATING	EFFICIENCY	MAX. S.P. DROP (1)		HOUSING TYPE	MAX. FACE VELOCITY	SEE NOTE
					INITIAL	FINAL			
CONN-PF1	3,320	CONN-BC1	11	65%	0.27"	0.54"	SIDE ACCESS HOUSING	500	1,2

NOTES:
1 STATIC PRESSURE REQUIREMENTS BASED ON 500 FPM FACE VELOCITY. FINAL PRESSURE DROPS BASED ON VA'S RECOMMENDED CHANGE OVER PRESSURE DROP.
2 FILTER HOUSING TO BE PART OF AIR HANDLING UNIT ASSEMBLY.

AIR DISTRIBUTION DEVICES

SYMBOL	DESCRIPTION	TYPE MOUNTING		MATERIAL		FINISH		ACCESSORIES	SEE NOTE
		LAY-IN	SURFACE	STEEL.	ALUM.	E.C.L.	W.B.E.		
CD1	STANDARD SQ. PLAQUE CEILING DIFFUSER ROUND NECK	∘		∘			∘		
CD2	LINEAR PLENUM SLOT ADJUSTABLE BLADE DIFFUSER	∘		∘			∘	INSUL. PLENUM	1,3
CD3	LINEAR PLENUM SLOT ADJUSTABLE BLADE DIFFUSER	∘		∘			∘	INSUL. PLENUM	2
CD4	LINEAR PLENUM SLOT ADJUSTABLE BLADE DIFFUSER		∘	∘			∘	INSUL. PLENUM	2
TR1	FIXED BLADE RETURN/ EXHAUST REGISTER		∘	∘			∘	OPPOSED BLADE DAMPER	
CR1	EGGCRATE CEILING REGISTER	∘			∘		∘	OPPOSED BLADE DAMPER	

NOTES:
1 AIR DEVICE TO INCLUDE A CENTER NOTCH, AS REQUIRED, TO ACCOMMODATE A 2 FT. X 2 FT. CEILING GRID.
2 24" LENGTH, 2 - 1" SLOTS
3 48" LENGTH, 4 - 1" SLOTS

ELECTRIC FIN TUBE HEATER SCHEDULE

UNIT NO.	LOCATION	ENT. AIR °F	HEAT ELEMENT		ELEC. SERVICE		APPROX. CABINET DIMENSIONS			HTG. ELEMENT	NOTES
			M.B.H.	KW (MIN)	VOLT.	PHASE	WIDTH (1)	DEPTH	HEIGHT	WIDTH	
CONN-FT1	SOUTH WALL	60	5.7	1.69	208	1	9'-0"	4"	6"	9'-0"	2,3
CONN-FT2	BASEMENT & FIRST FLOOR CORRIDORS	60	3.4	1	208	1	11'-0"	4"	6"	8'-0"	2,3

NOTES:
1 PROVIDE CABINET END EXTENSIONS AS REQUIRED FOR CONTINUOUS WALL TO WALL APPEARANCE.
2 PROVIDE WITH FACTORY INSTALLED, INTEGRAL THERMOSTAT.
3 PROVIDE INTEGRAL DISCONNECT.

HYDRONIC RADIANT CEILING PANELS

PANEL NO.	PANEL SIZE	HEATING CAPACITY BTU/HR	AVERAGE WATER TEMP.	GPM	MAX. P.D.	PIPE RUNOUT SIZE	AUTO VALVE TYPE	AUTO VALVE CV	NOTES
CONN-HRP1	24" x 48"	1,600	178	0.5	1 FT.	0.75"	2-WAY	0.2	1

NOTES :
1 PERFORMANCE BASED ON 70 DEG. F. AIR TEMPERATURE, 67 DEG. F. A.U.S.T. AND NATURAL CONVECTION, WITH 1" INSULATION PLACED ON TOP.

AIR HANDLING UNIT SCHEDULE

UNIT NO.	LOCATION	AREA SERVED	FAN NO.	CFM		EXTERNAL S.P. (1) IN.	SPECIFIED INTERNAL LOSSES (2) IN.	UNSPECIFIED INTERNAL LOSSES (3) IN.	FAN TOTAL S.P. (4) IN.	TYPE OF SYSTEM
				SUPPLY	O.A.					
CONN-BC1	210-211 CONNECTOR BUILDING MECH RM	210-211 CONNECTOR BUILDING	CONN-SF1	3,320	355	1.1	.7	.6	2.4	BLOWER COIL

NOTES:
1 EXTERNAL STATIC PRESSURE REQUIRED AT DUCT CONNECTIONS TO INLET / OUTLET OF AHU. MEASUREMENTS SHALL BE TAKEN WITHIN 3 FT. OF INLET AND OUTLET AT A POINT OF MAXIMUM ACCURACY.
2 TOTAL OF MAXIUMUM PRESSURE DROPS OF COMPONENTS WHICH ARE SPECIFIED SEPARATELY, I.E. PREFILTERS, HEATING AND COOLING COILS, ETC. AIR FILTER PRESSURE DROP SHALL BE SELECTED AT MID-LIFE.
3 INTERNAL LOSS ALLOWANCE SHALL INCLUDE LOSSES DUE TO ENTRANCE AND EXIT OF AHU, MIXING BOXES, INCLUDING LOSSES DUE TO FAILURE TO PROPERLY CONVERT FAN DISCHARGE VELOCITY PRESSURE TO STATIC PRESSURE, FAN INLET CONDITIONS, CASINGS, DAMPERS, ETC.
4 TOTAL FAN S.P = EXTERNAL STATIC PRESSURE + SPECIFIED INTERNAL LOSSES + UNSPECIFIED INTERNAL LOSSES. MANUFACTURER SHALL PROVIDE SUBMITTAL SHOWING ACTUAL LOSSES OF ALL EQUIPMENT PROVIDED. REFER TO FAN SCHEDULE FOR ADDITIONAL FAN SELECTION INFORMATION.
5 UNIT SHALL BE PROVIDED WITH INTEGRAL CONTROLS BY UNIT MANUFACTURER TO INCLUDE CONTROLLER, WALL INTO DIGITAL THERMOSTAT, CONDENSATE FLOAT SWITCH, LOW LIMIT FREEZESTAT, FAN STATUS, FAN PROOF SWITCH, AND MODULATING HEATING AND COOLING COIL CONTROL VALVES.

FAN SCHEDULE

FAN NO.	LOCATION	FAN CFM	FAN T.S.P. (E.S.P.)	FAN TYPE	DESCRIPTION	WHEEL		MAX. RPM	DRIVE	MAX. SONES	MOTOR					SEE NOTE
						TYPE	MIN. DIA.				MAX. BHP	NOM. HP (2)	VOLT-PHASE	VFD		
CONN-SF1	MECH RM	3,320	2.4"	BC	VERTICAL BLOWER COIL	FC	9	1,350	DIRECT	-	2.7	3	208-3	NO	1,3	
CONN-EF1	TOILET RM	100	(.45")	CEF	CEILING EXHAUST FAN	FC	6	900	DIRECT	3.6		48 W	115-1	NO		

NOTES :
1 SCHEDULED MAXIMUM BHP IS FOR SCHEDULED SP PLUS TEN PERCENT. IF UNIT COIL PRESSURE DROPS SUBMITTED ARE LESS THAN SCHEDULED, THEN THE SP REQUIREMENT MAY BE REDUCED ACCORDINGLY. MAXIMUM BHP MAY BE BASED ON THE REVISED SP PLUS TEN PERCENT.
2 MOTORS 1 HP AND ABOVE SHALL BE PREMIUM EFFICIENCY TYPE.
3 BLOWER COIL SUPPLY FAN IS SIZED FOR DUCT LEAKAGE AND FUTURE LOADS PER VA CRITERIA. UNIT FAN SHALL BE BALANCED TO ATTAIN AN ADDITIVE AIRFLOW AT SUPPLY AIR DEVICES OF 3,020 CFM.

HOT WATER UNIT HEATER SCHEDULE

UNIT NO.	LOCATION	TYPE UNIT	CFM	MIN. MBH	ENT. TEMP. °F		GPM	MAX. LOSS THRU COIL FT. WATER	RUNOUT SIZE	AUTO VALVE TYPE	AUTO VALVE CV	APPROX. CABINET DIMS.			MOTOR HP (W)	VOLT.-PHASE	NOTES
					AIR	WATER						HEIGHT	WIDTH	DEPTH			
CONN-CUH1	SEE PLANS	FLOOR SET VERTICAL CABINET	680	52.5	60	180	3.5	5.0	1.0"	3-WAY	1.7	29"	75"	10"	(64)	115-1	1,2,3,4,5
CONN-CUH2	SEE PLANS	FLOOR SET VERTICAL CABINET	680	52.5	60	180	3.5	5.0	1.0"	2-WAY	1.7	29"	75"	10"	(64)	115-1	1,2,3,4,5

NOTES:
1 VERIFY/COORDINATE CABINET DIMENSIONS, MOUNTING & RECESS REQUIREMENTS PRIOR TO ORDERING.
2 REFER TO FLOOR PLANS FOR QUANTITY OF UNITS.
3 UNIT SHALL HAVE SLOPING TOP, BOTTOM INLET, AND STAMPED TOP OUTLET GRILLES.
4 REFER TO PIPING DETAILS ON SHEET M502 FOR PIPING COMPONENTS.
5 PROVIDE EXTENDED END POCKET OPTION IF REQUIRED FOR INSTALLATION OF PIPING COMPONENTS AS DETAILED ON SHEET M502.

CHILLED WATER COOLING COIL SCHEDULE

COIL NO.	SYSTEM	CFM	MAX. FACE VEL FPM.	MAX. S.P. LOSS	ENT. AIR F°		LVG. AIR F°		CIRCULATING FLUID						AUTO VALVE TYPE	AUTO VALVE CV	MINIMUM MBH TOTAL (1)	MINIMUM MBH SENS. (1)
					Db	Wb	Db	Wb	FLUID	GPM	TEMP. IN °F	TEMP. OUT °F	MAX. LOSS FT.					
CONN-CC1	CONN-BC1	3,320	500	1.0"	77.3	64.9	52.3	52.1	CHILLED WATER	27.4	45	54.1	10	2-WAY	12.9	125	91

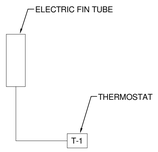
NOTES:
1 COIL CAPACITY BASED ON STANDARD AIR AT 0 FT. ALTITUDE. COIL SHALL BE MINIMUM SIX ROWS DEEP.

HOT WATER HEATING COIL SCHEDULE

COIL NO.	SYSTEM	CFM	MAX. FACE VEL FPM.	MAX. S.P. LOSS	TEMP. AIR °F		CIRCULATING FLUID					AUTO VALVE TYPE	AUTO VALVE CV	MIN. MBH
					ENT.	LVG.	FLUID	GPM	TEMP. IN °F	TEMP. OUT °F	MAX. LOSS FT. FLUID			
CONN-HC1	CONN-BC1	3,320	550	0.1"	66.9	98.8	HOT WATER	7.9	180	151	2	2-WAY	8.3	115

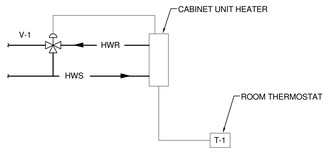
GENERAL NOTES

ELECTRICAL WORK INCLUDES A POWER SOURCE TO THE MOTOR STARTERS. ALL HVAC POWER SOURCES REQUIRED BEYOND THESE STARTERS OR BEYOND SOURCES EXPLICITLY SHOWN ON THE ELECTRICAL DRAWINGS, SHALL BE PROVIDED UNDER THE ATC WORK. THIS WORK SHALL INCLUDE BUT NOT BE LIMITED TO WIRING, CONDUIT, TRANSFORMERS, RELAYS AND FUSES.



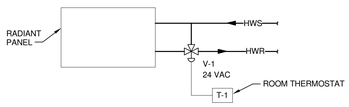
ELECTRIC FIN TUBE HEATER CONTROL

THERMOSTAT T-1 SHALL ENERGIZE ELECTRIC FIN TUBE ON DROP IN TEMPERATURE BELOW SETPOINT.



HOT WATER CABINET UNIT HEATER CONTROL

ROOM THERMOSTAT T-1 SHALL CONTROL FAN MOTOR AND VALVE V-1. ON A DROP IN TEMPERATURE BELOW SETPOINT, THERMOSTAT T-1 SHALL START THE FAN AND HEATING COIL CONTROL VALVE V-1 SHALL MODULATE OPEN TO THE COIL TO MAINTAIN ROOM TEMPERATURE SETPOINT.



HOT WATER RADIANT HEATING PANEL CONTROL

RADIANT PANEL SHALL BE PROVIDED WITH A MODULATING VALVE V-1 AND ROOM THERMOSTAT T-1 UNDER THIS WORK. THERMOSTAT SHALL MODULATE THE VALVE CLOSED ON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT (INITIALLY SET FOR 72 DEGREES F., ADJUSTABLE).

DX SPLIT SYSTEM FAN COIL UNITS

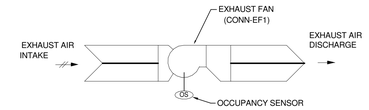
UNIT NO.	TYPE	FAN CFM	OA CFM	COOLING CAPACITY MBH (NOTE 1)	INDOOR UNIT ELECTRIC			APPROXIMATE SIZE		
					E.S.P.	MCA	VOLT-PHASE	W	H	D
CONN-AC1	HORIZONTAL WALL MTD.	920	0	36	N/A	1	208-1	46"	14.5"	12"

NOTES :
1 RATING CONDITIONS: 80 DB/67 WB INDOOR, 95 DB/75 WB OUTDOOR.

EQUIPMENT DATA

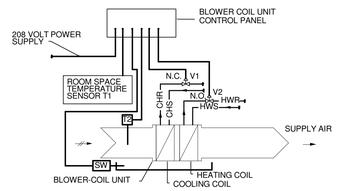
CONN-CU1

OUTDOOR COOLING ONLY CONDENSING UNIT
INVERTER-DRIVEN COMPRESSOR-R410A REFRIGERANT
NOMINAL CAPACITY: 36,000 BTU/HR COOLING
ELECTRIC: 208 VOLT, 1 PHASE, 25 MCA, 30 MOCP
OUTDOOR OPERATING TEMPERATURE RANGE:
COOLING: 0 DEG. F TO 115 DEG. F
SIZE: 37.5"W x 14"D x 37"H
UNIT SHALL INCLUDE LOW AMBIENT WIND BAFFLE TO PROVIDE OPERATION DOWN TO 0 DEG. F.



CEILING EXHAUST FAN CONTROL

WHEN THE OCCUPANCY SENSOR DETECTS MOVEMENT IN THE ROOM, THE EXHAUST FAN SHALL START AND RUN CONTINUOUSLY UNTIL OCCUPANCY SENSOR CONTACTS OPEN.

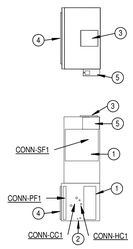


4-PIPE BLOWER-COIL UNIT CONTROLS

1 ACCESS DOOR
2 EXTEND FULL SIZE DRAIN PIPE TO FLOOR DRAIN.
3 SUPPLY DUCT CONNECTION.
4 RETURN DUCT CONNECTION.
5 ELECTRICAL/CONTROLS JUNCTION BOX.

*TWO POSITION OUTSIDE AIR DAMPER IS EXTERNAL TO BLOWER COIL UNIT.

*APPROX. SIZE OF UNIT : 28" L x 48" W x 79.5" H



BLOWER-COIL DETAIL

BLOWER-COIL CONTROL SEQUENCE

1. GENERAL

1.1. BLOWER COIL UNIT SHALL BE STARTED AND STOPPED BY THE UNIT CONTROL PANEL. H-O-A SWITCH SHALL BE KEPT IN THE "AUTO" POSITION. "HAND" AND "OFF" POSITIONS SHALL BE USED ONLY FOR MAINTENANCE.

1.2. WHEN BLOWER COIL UNIT IS "OFF" FOR ANY REASON, 2-POSITION OUTSIDE AIR DAMPER SHALL BE FULLY CLOSED, AND SUPPLY FAN SHALL BE OFF. WHEN THE UNIT IS "ON", OUTSIDE AIR DAMPER SHALL OPEN AND SUPPLY FAN SHALL START.

1.3 PROVIDE SCHEDULED NIGHT SET-BACK CONTROL FOR CONTINUOUS FAN OPERATION DURING THE OCCUPIED PERIOD AND CYCLED FAN OPERATION TO MAINTAIN REDUCED TEMPERATURE IN THE UNOCCUPIED PERIOD.

1.4 COORDINATE AND ADJUST OCCUPANCY SCHEDULES AND TEMPERATURE RANGE WITH COTR.

2. TEMPERATURE CONTROL

2.1. SPACE AIR TEMPERATURE, AS SENSED BY WALL THERMOSTAT T1, SHALL BE MAINTAINED AT SETPOINT (ADJUSTABLE) VIA UNIT CONTROL PANEL BY MODULATING COOLING COIL VALVE V1 AND HEATING COIL VALVE V2, IN SEQUENCE. SEPARATE CONTROL LOOPS SHALL BE UTILIZED FOR MECHANICAL COOLING AND HEATING FUNCTIONS.

3. FREEZE PROTECTION

3.1. IF THE HEATING COIL DISCHARGE AIR TEMPERATURE FALLS BELOW 35 DEG. F. (ADJUSTABLE) AS SENSED BY INTEGRAL FREEZESTAT T2, THE 2-POSITION O.A. DAMPER SHALL CLOSE, THE SUPPLY FAN SHALL SHUT DOWN, AND A CRITICAL ALARM SHALL INDICATE AT THE UNIT CONTROL PANEL. FREEZESTAT T2 SHALL BE HARD WIRED TO THE SUPPLY FAN TO SHUT DOWN THE UNIT IN THE HAND OR AUTOMATIC MODE. FREEZESTAT SHALL REQUIRE MANUAL RESET AT THE DEVICE.

4. CONDENSATE OVERFLOW PROTECTION

4.1. IF THE CONDENSATE DRAIN PAN IS NOT ABLE TO DRAIN AND FILLS UP AS DETECTED BY INTEGRAL CONDENSATE FLOAT SWITCH SW. UNIT SHALL SHUT DOWN. UNIT SHALL RESTART ONCE FLOAT SWITCH CLOSES. FLOAT SW SHALL BE HARD WIRED TO SUPPLY FAN TO SHUT DOWN. UNIT IN HAND OR AUTOMATIC MODE.

FULLY SPRINKLERED

Revisions	Date
	12/05/2013

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Drawing Title	SCHEDULES AND DETAILS
Approved: Project Director	
Project Title	CLC Common Area Connector
Location	Chillicothe, Ohio
Date	NOVEMBER 13, 2013
Checked	JAC
Drawn	TEG
Project No.	VA Project No. 538-CSI-301; JPA Project No. 12019.00
Building Number	210/211
Drawing Number	M601
Dwg. 56 of 70	

Office of Construction and Facilities Management
Department of Veterans Affairs

SECURITY SYMBOLS WITH ELECTRICAL REQUIREMENTS

CR	ROUGH-IN FOR WALL MOUNTED PROXIMITY CARD READER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
DM	ROUGH-IN FOR DOOR POSITION SWITCH. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
EL	ROUGH-IN FOR ELECTRONIC DOOR LOCK. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
ES	ROUGH-IN FOR ELECTRONIC STRIKE. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEIILING. REFER TO SECURITY ROUGH-IN DETAILS.
HA	ROUGH-IN FOR WALL/PEDESTAL MOUNT HANDICAP DOOR ACTUATOR BUTTON, FURNISHED BY OTHERS. BOX AS REQUIRED BY SYSTEM MANUFACTURER WITH INSTALLATION AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING.
HD	HANDICAP DOOR OPERATOR MOTOR ASSEMBLY BY OTHERS. 120V POWER CONNECTION AND CONDUIT FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING.
HO FA	WALL/FLOOR MOUNTED ELECTROMAGNETIC DOOR HOLD OPEN WITH POWER SUPPLY INSTALLED BY OTHERS. 120V POWER AND CONNECTION, BOX AS REQUIRED BY MANUFACTURER AND CONDUIT TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING BY DIV 26. LOW VOLTAGE WIRING FROM POWER SUPPLY TO HOLD OPEN AND INTERFACE WITH SMS BY DIV 28. SUBSCRIPT "FA" INDICATES DEVICES POWERED FROM FIRE ALARM SYSTEM AND INTERFACE FROM SMS TO FIRE ALARM SYSTEM REQUIRED FOR DOOR RELEASE BY DIV 28. REFER TO SECURITY ROUGH-IN DETAILS.
PP W	WALL MOUNTED WIRELESS PANIC/DURESS BUTTON (46" MH UNLESS NOTED OTHERWISE) #EN12355F.
RX	ROUGH-IN FOR REQUEST TO EXIT SWITCH IN DOOR HARDWARE. CONDUIT PATHWAYS FROM DOOR FRAME TO COMMON SMS JUNCTION BOX ABOVE ACCESSIBLE CEILING. REFER TO SECURITY ROUGH-IN DETAILS.
RX M	ROUGH-IN FOR REQUEST TO EXIT WALL MOUNT MOUNT PIR ABOVE DOOR, 1 GANG BOX WITH 0.75"C. TO SMS JUNCTION BOX. REFER TO SECURITY ROUGH-IN DETAILS.
JB	SECURITY SYSTEM JUNCTION BOX TO BE LOCATED ABOVE ACCESSIBLE CEILING (MIN 6"X6"X4"). ROUTE LOCAL DOOR CONTROL CONDUITS WITH WIRING TO JUNCTION BOX. EEND 1" CONDUIT WITH DOOR SECURITY WIRING TO LOCAL 2-DOOR CONTROLLER/REMOTE DOOR CONTROL PANELS AS INDICATED ON DRAWINGS. REFER TO DOOR ROUGH-IN DETAILS.

AV SYMBOLS WITH ELECTRICAL REQUIREMENTS

S	HORN TYPE PAGING/INTERCOM SYSTEM SPEAKER (90" MH UNLESS NOTED OTHERWISE). 1-GANG BOX WITH 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING BY DIV 26. GROMMETED FACEPLATE, SPEAKER, INSTALLATION AND WIRING BY DIV 27.
SC	CEILING MOUNTED PAGING/INTERCOM SYSTEM SPEAKER, INSTALLATION AND CABLING.
V	PAGING/INTERCOM SYSTEM WALL MOUNTED SPEAKER VOLUME CONTROLLER (46" MH UNLESS NOTED OTHERWISE). 1-GANG BOX AND 0.75" CONDUIT TO ABOVE ACCESSIBLE CEILING BY DIV 26. VOLUME CONTROLLER WITH FACEPLATE, INSTALLATION AND WIRING BY DIV 27.
PS E	CEILING MOUNTED MANUAL PROJECTION SCREEN. 1-GANG BOX WITH 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. PROVIDE SCREEN AND LOW VOLTAGE CONTROL.

TECHNOLOGY SYMBOLS WITH ELECTRICAL REQUIREMENTS

	CONDUIT SLEEVE / FIRE RATED SLEEVE ASSEMBLY THRU WALL (1-2" SLEEVE UNLESS NOTED OTHERWISE).
	WALL MOUNTED TRI-PLEX (1-VOICE/2-DATA) VOICE/DATA OUTLET (18" MH UNLESS NOTED OTHERWISE).
	WALL MOUNTED PHONE OUTLET (46" MH UNLESS NOTED OTHERWISE).
X	WALL MOUNTED CATV OUTLET (44" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
X	TECHNOLOGY FLOOR BOX. PROVIDE APPROPRIATE CONNECTOR PLATE AND HINGED COVER. "#" INDICATES OUTLET TYPE. SUBSCRIPT "X" INDICATES ALTERNATE CONFIGURATION.
AP	ABOVE CEILING WAP OUTLET, 1 - DATA ONLY.

ELECTRICAL SYMBOLS

3	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
3	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
GF	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
WP	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH TAYMAC #10310 STANDARD COVER, VERTICAL MOUNT.
WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH TAYMAC #20310 STANDARD COVER, VERTICAL MOUNT.
EM	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, ON EMERGENCY POWER (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, IN HUBBELL BA-2527 FLUSH FLOOR BOX WITH ROUND SA-3925 COVERPLATE. PROVIDE CARPET FLANGE WHERE REQUIRED.
J	JUNCTION BOX.
$	SINGLE POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
2 $	TWO POLE WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
3 $	THREE-WAY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
M $	FLUSH FRACTIONAL HORSEPOWER MOTOR STARTER WITH NEON PILOT LIGHT. ONE-GANG ASSEMBLY (46" MH UNLESS NOTED OTHERWISE).
H $	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
J	DISCONNECT SWITCH.
	MOTOR STARTER.
J	COMBINATION MOTOR STARTER AND DISCONNECT SWITCH.
	ELECTRIC MOTOR.
UH	UNIT HEATER.
FC	FAN COIL.
AC	AIR CONDITIONER.
CU	CONDENSING UNIT.
UV	UNIT VENTILATOR.
T	LINE VOLTAGE THERMOSTAT.
H DH	DUCT HEATER.
H EB	ELECTRIC BASEBOARD HEATER.
	PUSHBUTTON (46" MH UNLESS NOTED OTHERWISE) EDWARDS 852 (120 VOLT).
PC	PHOTOELECTRIC SENSOR.
OS	CEILING MOUNTED OCCUPANCY SENSOR.

FIRE ALARM SYMBOLS

FACP	FIRE ALARM CONTROL PANEL.
15 F	FIRE ALARM SPEAKER & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15 F	FIRE ALARM BELL & SIGNAL LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
15	FIRE ALARM SIGNALING LIGHT (80" AFF), (# WHEN SHOWN INDICATES CANDELA RATING OF STROBE. WHEN A # IS NOT SHOWN, THE STROBE SHALL BE RATED 15 CANDELA IN CORRIDORS AND 30 CANDELA FOR ALL OTHER LOCATIONS.
F K	FIRE ALARM MANUAL STATION (46" MH UNLESS NOTED OTHERWISE). SUBSCRIPT "K" INDICATES KEY OPERATED.
S	CEILING MOUNTED SMOKE DETECTOR.
H	CEILING MOUNTED HEAT DETECTOR.
S S/R	DUCT MOUNTED SMOKE DETECTOR. SUBSCRIPT "S" INDICATES SUPPLY. SUBSCRIPT "R" INDICATES RETURN.
M	ELECTRIC RELEASE DOOR CLOSER.
D	ELECTRO-MAGNETIC DOOR HOLDER.
FS	WATER FLOW SWITCH.
V	VALVE SUPERVISORY SWITCH.
W H	DUCT MOUNTED DETECTOR REMOTE TEST STATION AND ALARM INDICATOR LIGHT. SUBSCRIPT "W" INDICATES WALL MOUNTED.
SD	SMOKE DAMPER.
FT	FIRE FIGHTER'S TELEPHONE (60" MH UNLESS NOTED OTHERWISE).
AM C/I	ADDRESSABLE MODULE. SUBSCRIPT "I" INDICATES INPUT. SUBSCRIPT "C" INDICATES CONTROL.

LUMINAIRE SYMBOLS

	DASH SYMBOL INDICATES PARTICULAR FIXTURE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
A a	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT.
	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

GENERAL FLOOR PLAN NOTES

B E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
	CONDUIT TO BE REMOVED.
EX	EXISTING WIRE & CONDUIT TO REMAIN.
EM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

ABBREVIATIONS

AAP - AREA ALARM PANEL - MEDICAL GAS
ACC - ACCESS
ADJ - ADJUSTABLE
AF - ARC FAULT CIRCUIT INTERRUPTER
AFCI - ARC FAULT CIRCUIT INTERRUPTER
AFF - ABOVE FINISHED FLOOR TO BOTTOM OF ITEM
AFG - ABOVE FINISHED GRADE TO BOTTOM OF ITEM
ALT - ALTERNATE
AP - ACCESS PANEL
APPROX - APPROXIMATE
ARCH - ARCHITECT OR ARCHITECTURAL
ASSY - ASSEMBLY
ATS - AUTOMATIC TRANSFER SWITCH

BLDG - BUILDING
BOE - BOTTOM OF EQUIPMENT
BOT - BOTTOM
BTWN - BETWEEN

CFCI - CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT - CIRCUIT
CLG - CEILING
CMU - CONCRETE MASONRY UNIT
CONN - CONNECT OR CONNECTION
CONTR - CONTRACTOR
CORR - CORRIDOR
CTR - CENTER

D - DEPTH
DET - DETAIL
DIA - DIAMETER
DIM - DIMENSION
DIV - DIVISION
DN - DOWN
DWG - DRAWING

EA - EACH
EC - ELECTRICAL CONTRACTOR (DIVISION 26)
EJ - EXPANSION JOINT
ELEC - ELECTRICAL
ELEV - ELEVATION OR ELEVATOR
EM - EMERGENCY
EQ - EQUAL
EQS - EQUIPMENT SUPPLIER
EQUIP - EQUIPMENT
ETR - EXISTING TO REMAIN
EX - EXISTING
EXP - EXPANSION
EXT - EXTERIOR
EXR - EXISTING FIXTURE TO BE REMOVED, CLEANED & RELOCATED

FCE - FIRE CONTROL EQUIPMENT
FF - FINISHED FLOOR ELEVATION
FLR - FLOOR
FSC - FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT - FEET
FTG - FOOTING

GC - GENERAL CONTRACTOR
GF - GROUND FAULT CIRCUIT INTERRUPTER
GFCI - GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFFT - GROUND FAULT FEED THRU

HC - HVAC CONTRACTOR (DIVISION 23)
HP - HORSE POWER OR HIGH POINT
HVAC - HEATING, VENTILATING, AND AIR CONDITIONING

ID - INSIDE DIAMETER
IN - INCHES

KEC - KITCHEN EQUIPMENT CONTRACTOR

L - LENGTH
LBS - POUNDS

MAP - MASTER ALARM PANEL (MEDICAL GAS)
MAX - MAXIMUM
MEZZ - MEZZANINE
MFR - MANUFACTURER
MH - MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
MIN - MINIMUM OR MINUTE
MISC - MISCELLANEOUS
MTD - MOUNTED
MTG - MOUNTING

NIC - NOT IN CONTRACT
NOM - NOMINAL
NTS - NOT TO SCALE

OD - OUTSIDE DIAMETER
OFCI - OWNER FURNISHED CONTRACTOR INSTALLED
OFOI - OWNER FURNISHED OWNER INSTALLED

PC - PLUMBING CONTRACTOR (DIVISION 22)
PLBG - PLUMBING

RAD - RADIUS
REC - RECESSED
REQD - REQUIRED
RI - ROUGH-IN

S - SURFACE MOUNTED
SC - SECURITY CONTRACTOR
SCH - SCHEDULE
SHT - SHEET
SMS - SECURITY MANAGEMENT SYSTEM
SPEC - SPECIFICATIONS
SQ - SQUARE
SS - STAINLESS STEEL
STD - STANDARD
STRUC - STRUCTURAL OR STRUCTURE
SUC - SITE UTILITY CONTRACTOR

TC - TECHNOLOGY CONTRACTOR
TEMP - TEMPERATURE
TOE - TOP OF EQUIPMENT
TYP - TYPICAL

UNO - UNLESS NOTED OTHERWISE

VFD - VARIABLE FREQUENCY DRIVE
VOL - VOLUME

W/ - WITH
W/O - WITHOUT
WP - WEATHERPROOF

ZVC - ZONE VALVE CABINET

GENERAL NOTES

A. ALL ELECTRICAL SPLICES FOR WIRE SIZES 6 AWG AND LARGER SHALL BE HYDRAULIC CRIMP TYPE.
B. THESE NOTES APPLY EQUALLY TO THE FULL SET OF DOCUMENTS.
C. SITE VISIT(S) SHALL BE AS OUTLINED IN PROJECT SPECIFICATIONS.
D. THE NOTES AND SYMBOLS SET DOWN ON THESE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED.
E. THE CONTRACTORS SHALL REFER TO ALL SPECIFICATION SECTIONS, AND ELECTRICAL DRAWINGS FOR DETAILS OF BUILDING CONSTRUCTION TO ENSURE SPACE AND SATISFACTORY ARRANGEMENT FOR THEIR WORK. THE VARIOUS DRAWINGS COMPRISING THE SET ARE INTERDEPENDENT AND MUST BE USED JOINTLY AT ALL TIMES. EACH CONTRACTOR SHOULD REFER TO THE GENERAL REQUIREMENTS OF THE CONTRACT. THESE NOTES AND SYMBOLS SET DOWN ON THE DRAWINGS ARE FOR THE GUIDANCE OF ALL TRADES INVOLVED IN THE PROJECT AND MUST BE FOLLOWED TO EXECUTE THE WORK AS INTENDED. IF DISCREPANCIES OCCUR, CONTACT THE COTR THRU THE CONTRACTING OFFICER FOR CLARIFICATION BEFORE PROCEEDING.
F. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS ON THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. SEE SPECIFICATIONS FOR MORE SPECIFIC DETAILS ON RESPONSIBILITIES.
G. ALL WORK MUST BE COORDINATED WITH THE COTR TO MAINTAIN OPERATION OF THE EXISTING FACILITY.
H. FIELD VERIFY DIMENSIONAL INFORMATION PRIOR TO ORDERING EQUIPMENT. DO NOT SCALE DRAWINGS.
I. DIMENSIONS ARE TYPICALLY INDICATED TO THE FINISHED FACE OF WALLS OR PARTITIONS AND CENTER LINES OF COLUMNS UNLESS OTHERWISE INDICATED.
J. TITLES, CAPTIONS, HEADINGS, ETC. ARE INTENDED FOR GENERAL REFERENCE AND ARE NOT INTENDED TO LIMIT THE WORK REQUIRED IN ANY WAY.
K. EACH CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OF OTHERS. HE SHALL KEEP HIMSELF INFORMED OF THE PROGRESS AND DETAIL DEVELOPMENT OF THE WORK OF OTHERS AND SHALL BE RESPONSIBLE FOR COORDINATING AND EXPEDITING HIS WORK WITH OTHERS SO THAT THE PROGRESS OF THE TOTAL WORK SHALL BE KEPT ON SCHEDULE.
L. ALL WORK SHALL BE PERFORMED IN COMPLETE COMPLIANCE WITH ALL GOVERNING CODES AND STANDARDS.
M. EXISTING CONDITIONS SHOWN HAVE BEEN BASED UPON AVAILABLE DRAWING INFORMATION AND MAY BE AT VARIANCE WITH ACTUAL WORK IN PLACE. THE CONTRACTOR SHALL TAKE ALL NECESSARY FIELD MEASUREMENTS AND FIELD VERIFY ALL CONDITIONS AFFECTING THE EXECUTION OF THE WORK. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE WORK SHOWN ON THE CONTRACT DOCUMENTS WHICH MAY IMPACT THE PROGRESS OF THE WORK SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACTING OFFICER IN WRITING FOR RESOLUTION BEFORE PROCEEDING WITH THE WORK.
N. EACH CONTRACTOR AND/OR TRADE FITTING OR PLACING HIS WORK INTO OR ON THE WORK OF OTHERS DOES SO WITH THE UNDERSTANDING THAT THE INSTALLATION OF HIS WORK CONSTITUTES HIS ACCEPTANCE OF THE SUITABILITY OF THE WORK IN PLACE. IF THE WORK OF OTHERS IS NOT ACCEPTABLE, HE SHALL NOTIFY THE COTR AND SUCH WORK SHALL BE CORRECTED. ANY NEW WORK INSTALLED IN UNSUITABLE EXISTING WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR TRADE INSTALLING THE NEW WORK. NO CLAIMS FOR ADDITIONAL COMPENSATION FOR CORRECTING WORK INSTALLED IN UNSUITABLE EXISTING CONDITIONS WILL BE CONSIDERED.
O. ANY STRUCTURAL, MECHANICAL, ELECTRICAL, FIRE PROTECTION, OR PLUMBING INFORMATION INDICATED ON THE ARCHITECTURAL DRAWINGS IS FOR REFERENCE PURPOSES ONLY UNLESS OTHERWISE INDICATED.
P. PROPER PERSONNEL PROTECTION EQUIPMENT SHALL BE WORN PER OSHA AND VA REQUIREMENTS WITH VAMC PROJECT ENGINEER AND SAFETY OFFICER.
Q. FIRESTOPPING ASSEMBLIES SHALL BE PROVIDED AT PENETRATIONS OF CONDUITS AND OTHER ELECTRICAL ITEMS THRU FIRE RATED FLOORS, FIRE RATED WALLS AND PARTITIONS AND FIRE RATED SHAFT WALLS AND PARTITIONS. ALL PENETRATIONS THROUGH 0-HOUR RATED WALLS SHALL BE CAULKED SMOKE-TIGHT. REFER TO SPECIFICATION SECTION 07 84 00.
R. REFER TO SPECIFICATION SECTION 01 00 00 GENERAL REQUIREMENTS FOR STATEMENT OF BID ITEM(S) AND DEDUCTIVE ALTERNATES.

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

Panel: CP1

Location: ELEC. RM. 014 **Mounting:** Surface **A.I.C. Rating:** 10KAIC
Supply From: 210MDP **Enclosure:** Type 1 **Mains Type:** MLO
Voltage: 120/208 Wye-3PH-4W **Mains Rating:** 225 A

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	EWC	20 A	1	1130	1200					1	20 A	Vending	2
3	Vending	20 A	1			1200	720 VA			1	20 A	Receptacle	4
5	Receptacle	20 A	1					820 VA	540 VA	1	20 A	Receptacle	6
7	Floor Box	20 A	1	360 VA	900 VA					1	20 A	Receptacle	8
9	Spot LTG	20 A	1			600 VA	130 VA			1	20 A	EF1	10
11	Receptacle	20 A	1					900 VA	2496	2	30 A	CU1/AC1	12
13	Lighting	20 A	1	601 VA	2496					--	--	--	14
15	Lighting	20 A	1			652 VA	787 VA			1	20 A	Lighting	16
17	Lighting	20 A	1					787 VA	1273	3	20 A	BC1/SF1	18
19	CUH2	20 A	1	64 VA	1273					--	--	--	20
21	Receptacle	20 A	1			180 VA	1273			--	--	--	22
23	CUH1	20 A	1					64 VA	1692	2	25 A	Resistive Heat	24
25	Spare	20 A	1	0 VA	1692					--	--	--	26
27	Resistive Heat	20 A	2			1000	1000			2	20 A	Resistive Heat	28
29	--	--	--					1000	1000	--	--	--	30
31	Spare	20 A	1	0 VA	0 VA					2	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			--	--	--	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Spare	20 A	2	0 VA	0 VA					1	20 A	Spare	38
39	--	--	--			0 VA	0 VA			1	20 A	Spare	40
41	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	42
			Total Load:	9.72 kVA		7.54 kVA		10.57 kVA					

Notes:

TOTAL CONNECTED	ESTIMATED DEMAND
27.63 kVA	27.8 KVAD (78A)

MARK	NAMEPLATE	MOTOR CHARACTERISTICS: HORSEPOWER (HP)	LOAD (kVA)	120V-1PH	208V-1PH	208V-3PH	240V-1PH	240V-3PH	277V-1PH	480V-1PH	480V-3PH	MOTOR LOCATION: ROOM NUMBER	ROOM NAME	STARTER TYPE: NEMA SIZE	MANUAL	MAGNETIC	BUILT-IN MOTOR O/L	2-SPEED	VFD	STARTER LOCATION: SEE NOTE	NEAR MOTOR	MOTOR CONT CENTER	EQUIP CONT PANEL	ROOM NUMBER	SEE NOTE	FURNISHED BY	DISCONNECT MEANS TYPE: DISC SWITCH	MANUAL STARTER	RECEPTACLE	FEEDER SW OR BREAKER	NEMA TYPE	DISC SIZE	FUSE SIZE	DISCONNECT LOCATION: NEAR MOTOR	MOTOR CONT CENTER	EQUIP CONT PANEL	PANELBOARD	SEE NOTE	FURNISHED BY	CONTROL: INTERLOCK WITH MOTOR NO. BY E.C.	MANUAL AT STARTER	INTEGRAL WITH EQUIPMENT	FURNISHED BY	FEEDER: SEE NOTE	NUMBER OF CONDUCTORS	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	SEE NOTE
BC1	BLOWER COIL	3	3.819			•						110	MECH. RM.	0		•										26	•							•					26				23	3	12	12	0.75	
CU1	CONDENSING UNIT		4.992		•																					23	•							•					26				23	2	10	10	0.75	
EF1	EXHAUST FAN		0.13	•									RESTROOM												1	16	•							•					23	•			23	2	12	12	0.75	

NOTES
1. FAN IS PROVIDED WITH BUILT IN O/L. RUN THRU OCCUPANCY SENSOR FOR ON/OFF CONTROL.

DRAWING INDEX	
SHEET	DESCRIPTION
E001	SYMBOLS
ED101	FLOOR PLANS - REMOVALS
EL101	FLOOR PLANS - LIGHTING
EP101	FLOOR PLANS - POWER
ET101	FLOOR PLANS - SIGNALS
E501	LIGHTING FIXTURE DESCRIPTIONS
E502	LIGHTING FIXTURE DESCRIPTIONS
E601	SINGLE LINE
E701	BUILDING 30/211 CONNECTION PLAN
E702	BUILDING 210/211 PIPE BASEMENT CONNECTION
E703	BUILDING 210/211 GROUND FLOOR CONNECTION
E704	BUILDING 24/210 GROUND FLOOR CONNECTION
E705	TECHNOLOGY DETAILS
E706	TECHNOLOGY CABLING DIAGRAMS

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Revisions | Date

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Drawing Title: SYMBOLS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

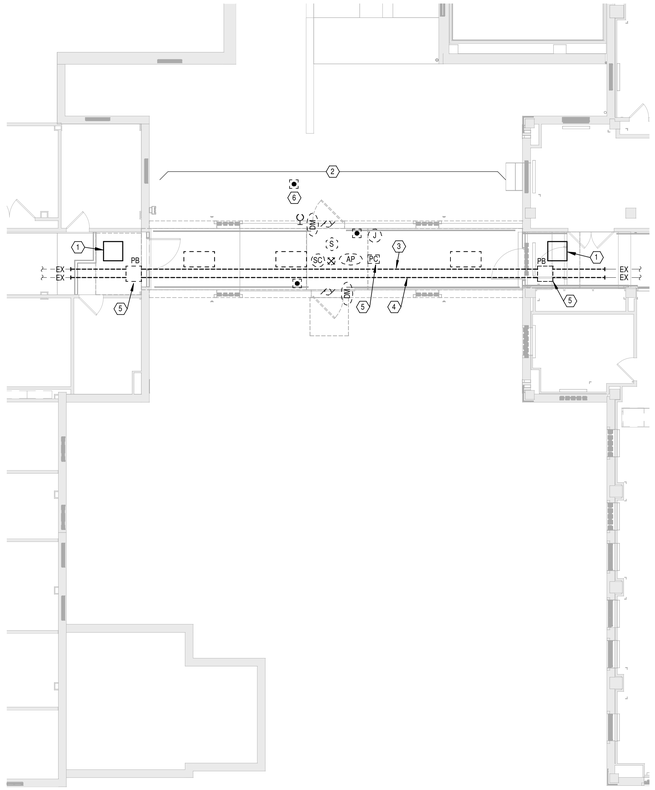
Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E001

Dwg. 57 of 70

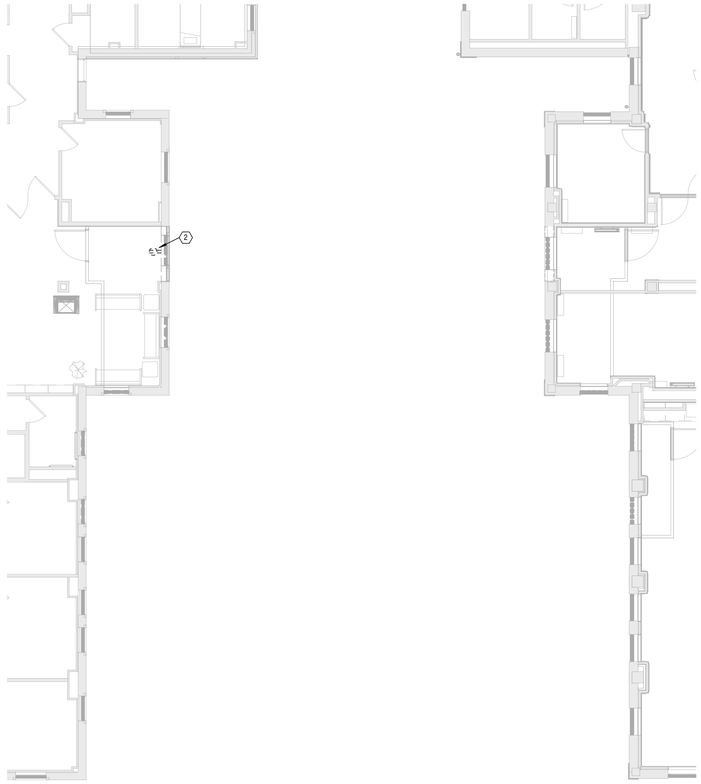
Office of Construction and Facilities Management
Department of Veterans Affairs



N 1 PLAN

BASEMENT PLAN - REMOVALS

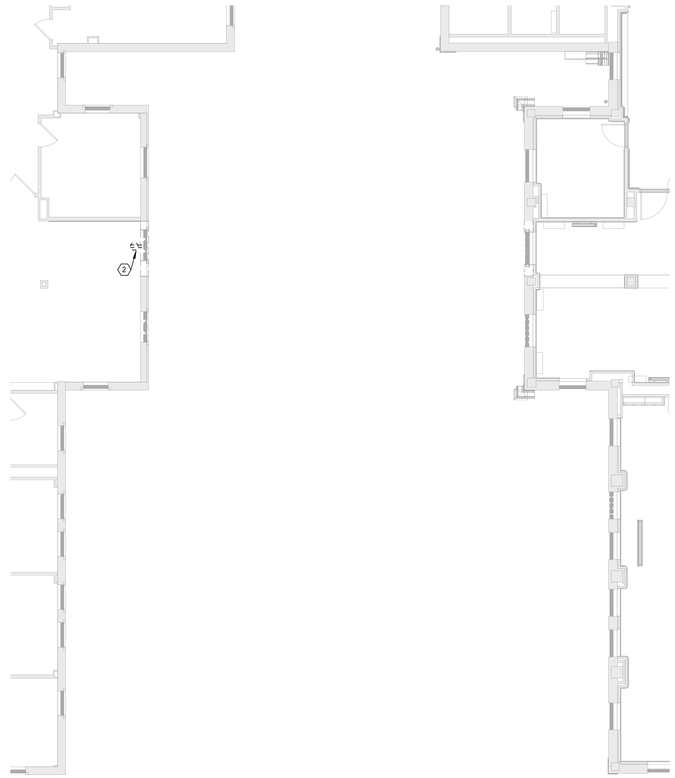
Scale: 1/8" = 1'-0"



N 2 PLAN

LEVEL 1 PLAN - REMOVALS

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



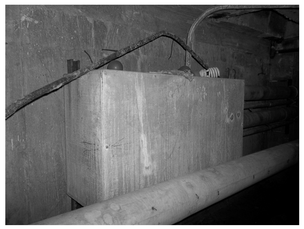
N 3 PLAN

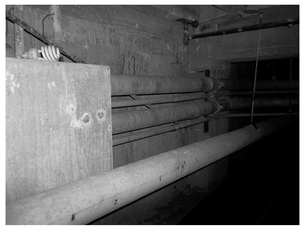
LEVEL 2 PLAN - REMOVALS

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

(BUILDING 210 CRAWL SPACE)

A SITE PHOTOGRAPHS





(BUILDING 211 CRAWL SPACE)

B SITE PHOTOGRAPHS

PLAN NOTES

1. INTERCEPT EXISTING COMMUNICATIONS CABLES ROUTED THROUGH EXISTING CONNECTOR. REFER TO SHEETS E702 AND E703 FOR NEW WORK REQUIREMENTS. REFER TO EXISTING CABLING SCHEDULE ON SHEET E703 FOR IDENTIFICATION OF EXISTING CABLING. ALL EXISTING CABLING TO BE RE-ROUTED AND COMMUNICATIONS CIRCUITS SERVED BY EXISTING CABLES TO BE RE-ACTIVATED PRIOR TO CUTTING AND REMOVING EXISTING SEGMENT OF CABLES.
2. REMOVE EXISTING DEVICE(S), CONDUIT, BOX(ES), CIRCUITRY, ETC. BACK TO CLOSEST ACCESSIBLE JBOX OUTSIDE SCOPE OF PROJECT.
3. EXISTING 210 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. REMOVE EXISTING PULL BOX IN CRAWL SPACE FOR NEW WORK. REMOVE SECTION FEEDER AS INDICATED TO ACCOMMODATE NEW WORK.
4. EXISTING 211 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. REMOVE EXISTING PULL BOX IN CRAWL SPACE FOR NEW WORK. REMOVE SECTION FEEDER AS INDICATED TO ACCOMMODATE NEW WORK.
5. APPROXIMATE LOCATION OF EXISTING ELECTRICAL PULL BOX.

GENERAL NOTES

A. MAINTAIN ALL LIGHTING AND RECEPTACLE CIRCUITS FOR NEW WORK (WHERE INDICATED OR REQUIRED).
B. REMOVE ALL ACCESSIBLE ABANDONED WIRING OF ALL TYPES, OR CAP AND LABEL IN JUNCTION BOX FOR RE-USE, IN COMPLIANCE WITH THE NATIONAL ELECTRIC CODE.
C. MAINTAIN AND RESTORE, IF INTERRUPTED, ALL CONDUITS AND CONDUCTORS PASSING THROUGH RENOVATED AREAS AND SERVICING UNDISTURBED AREAS.
D. REFER TO ARCHITECTURAL PHASING PLAN AND INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.
E. CONTRACTOR IS REQUIRED TO SUBMIT A DETAILED SEQUENCE OF OPERATOR TO THE COTR AT THE BEGINNING OF THE PROJECT. SEQUENCE MUST BE APPROVED BY THE COTR BEFORE THE CONTRACTORS ARE PERMITTED TO COMMENCE WORK. ALL CUT OVER WORK DOWNTIME SHALL BE DONE OUTSIDE OF NORMAL WORKING HOURS (NIGHTS AND WEEKENDS).
F. COORDINATE DOWNTIME SCHEDULES WITH COTR A MINIMUM OF 30 DAYS IN ADVANCE FOR PROPER COORDINATION.
G. REFER TO FLOOR PLANS AND SINGLE LINE FOR ADDITIONAL INFORMATION.
H. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE GOVERNMENT.

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Drawing Title: FLOOR PLANS - REMOVALS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

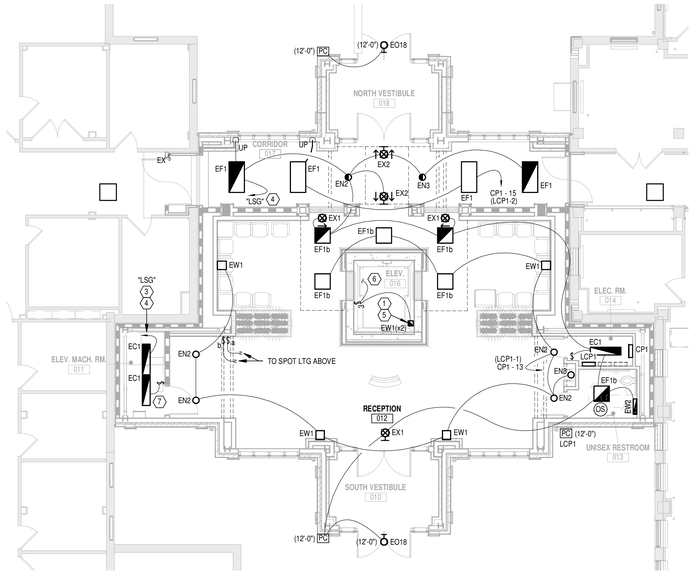
Building Number: 210/211

Drawing Number: ED101

Dwg. 58 of 70

Office of Construction and Facilities Management

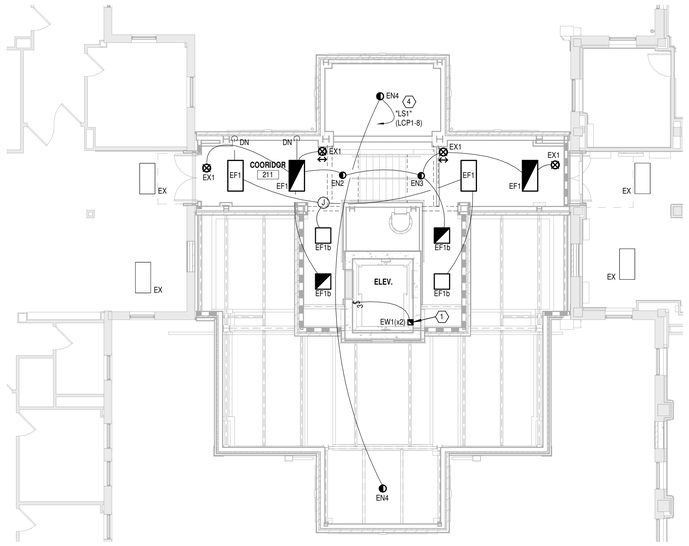
Department of Veterans Affairs



N 2 PLAN

BASEMENT PLAN - LIGHTING

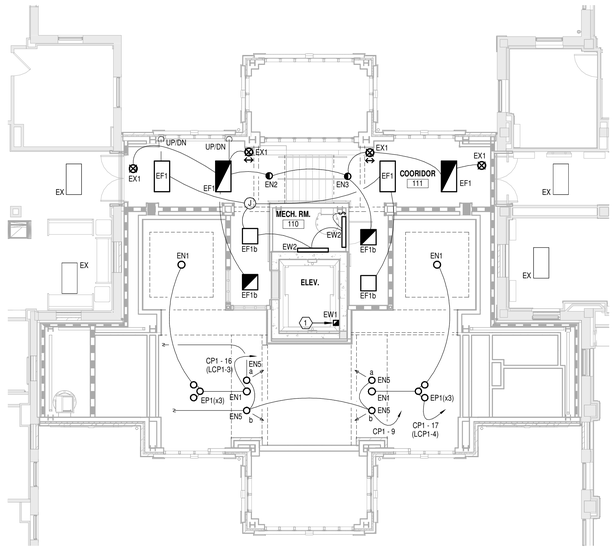
Scale: 1/8" = 1'-0"



N 4 PLAN

LEVEL 2 PLAN - LIGHTING

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



N 3 PLAN

LEVEL 1 PLAN - LIGHTING

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

GENERAL NOTES

A. WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN A COMMON ROOM OR CORRIDOR, WIRE SENSORS IN PARALLEL FOR COMMON ZONE CONTROL.
B. WHERE SWITCHES ARE SHOWN IN SPACES CONTROLLED BY OCCUPANCYSENSORS, WIRE SENSOR RELAY PACK AHEAD OF LOCAL SWITCHING (EXCEPT LIFE SAFETY CIRCUITS).
C. PROVIDE DEDICATED NEUTRAL FOR ALL 120V CIRCUITS.
D. COORDINATE ALL LIGHTING FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS.
E. OCCUPANCY SENSOR MANUFACTURERS SHALL SUBMIT AN /1/8" SCALE FLOOR PLAN SHOWING PROPOSED LAYOUT WITH DEVICES CLEARLY IDENTIFIED DURING SHOP DRAWING REVIEW. OCCUPANY SENSOR SHOP DRAWING SUBMITAL MISSING THIS INFORMATION WILL BE REJECTED. REQUEST AutoCAD FLOOR PLANS WELL IN ADVANCE OF SHOP DRAWINGS TO ENSURE REASONABLE TIME OF DELIVERY.
F. COORDINATE OCCUPANCY SENSOR AIMING AND PLACEMENT WITH MANUFACTURER PRIOR TO INSTALLATION.
G. WIRE ALL EXIT SIGNS AHEAD OF LOCAL SWITCHING.
H. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
I. PROVIDE PROGRAMMED RAPID START BALLASTS FOR ALL FLUORESCENT FIXTURES AND SUBMIT BALLAST INFORMATION DURING SHOP DRAWING REVIEW.
J. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND COMMON/SHARED GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
K. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
L. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.
M. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
N. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.
O. PROVIDE PRINTED LABELS ON ALL RECEPTACLE AND SWITCH COVERPLATES INDICATING PANEL AND CIRCUIT NUMBER.
P. REFER TO SHEET E502 FOR LIGHTING CONTROL PANEL SCHEDULE.

NOTES

1. ELEVATOR HOIST-WAY LIGHTING. LIGHTS ARE TO BE STACKED VERTICALLY IN A BACK CORNER WALL FOR A SINGLE ELEVATOR OR ON THE BACK WALL BETWEEN THE ELEVATOR DIVIDER BEAMS. THE EXTREME TOP (NEW) AND BOTTOM(EXISTING, PROVIDED UNDER PHASE I) FIXTURES SHALL BE MOUNTED TO ILLUMINATE THE PIT AREA WHEN THE CAR IS AT THE BOTTOM LANDING AND THE CAR TOP WHEN THE CAR IS AT THE TOP LANDING CONNECTIONS BETWEEN FIXTURES SHALL BE MADE WITH 0.75" SURFACE MOUNTED EMT. SHAFT WILL CONSIST OF TWO(2) 4' FIXTURES AT BASEMENT(EXISTING, PROVIDED UNDER PHASE I) AND FOURTH FLOOR (NEW) LEVEL AND ONE(1) AT FIRST (EXISTING, PROVIDED UNDER PHASE I). SECOND (NEW) AND THIRD (NEW) FLOOR. PROVIDE A 3-WAY LIGHT SWITCH AT THE TOP (NEW) OF THE PIT LADDER AND FIVE FEET ABOVE THE TOP TERMINAL LANDING (NEW) AT THE INSIDE FRONT WALL NEAR THE HALL BUTTON. CONNECT NEW LIGHTING CIRCUITRY TO EXISTING ELEVATOR PIT LIGHTING CIRCUIT. RUN 2-#12, #12 GRD IN 0.75"C. COORDINATE ALL WORK WITH MR. GARY HERALD, CVAMC ELEVATOR MECHANIC. TO ENSURE CONSISTENCY THROUGHOUT THE CAMPUS. REFERENCE TRANSPORT SYSTEMS (ELEVATORS) DESIGN MANUAL FOR SUPPLEMENTAL INFORMATION.
2. APPROX 12' - 0" MH. COORDINATE WITH ARCH/ENG DURING CONSTRUCTION.
3. CONTRACTOR SHOULD CONSIDER RUNNING CIRCUIT BELOW FLOOR SLAB INTO ADJACENT CRAWL SPACE TO ACCESS EXISTING ELECTRICAL ROOM.
4. UTILIZE EXISTING 120V-20A/1P SPARE BREAKER IN EXISTING PANEL (LOCATED IN BASEMENT 210 MAIN ELECTRIC ROOM) FOR NEW WORK. REFER TO POWER PLAN FOR LOCATION.
5. REFER TO POWER PLAN FOR CIRCUIT INFORMATION.
6. REFER TO POWER PLANS, SHEET EP101, FOR CONTINUATION.
7. COORDINATE FINAL LIGHTING FIXTURE LOCATION IN RELATION TO THE METAL SHIP LADDER. FIELD ADJUST AS NECESSARY.

FULLY SPRINKLERED

Revisions	Date

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Approved: Project Director

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Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No.
VA Project No. 538-CSI-301
JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: EL101

Dwg. 59 of 70

Office of Construction and Facilities Management
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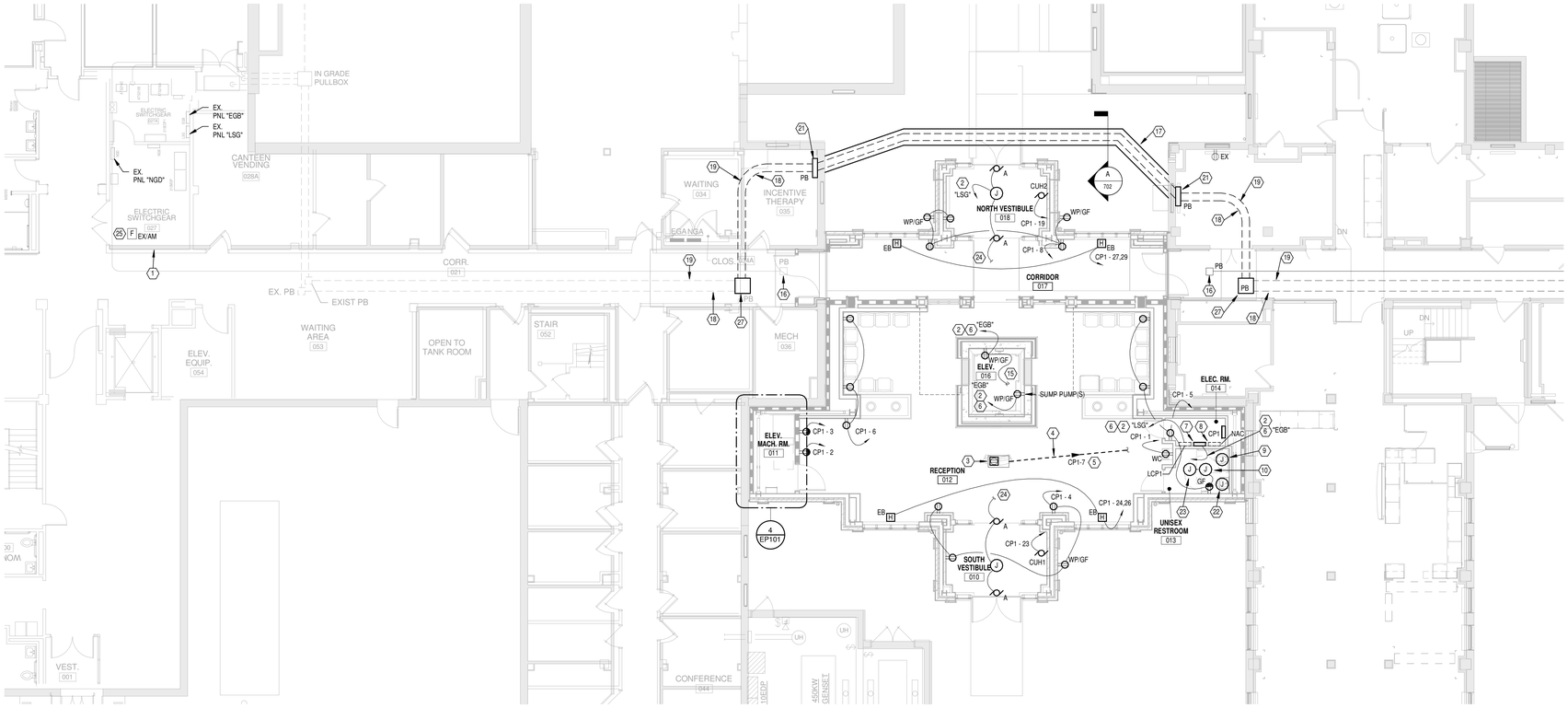


N 1 PLAN

BASEMENT FLOOR PLAN - POWER

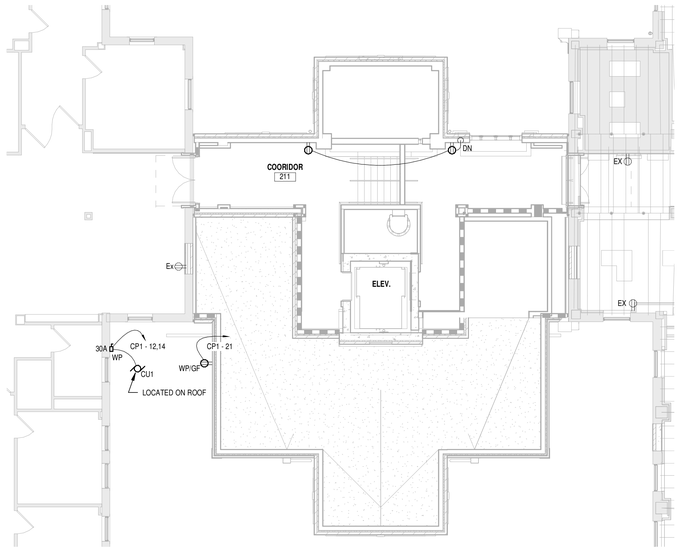
Scale: 1/8" = 1'-0"

GENERAL NOTES

A. PROVIDE DEDICATED NEUTRAL FOR ALL 120V-20A CIRCUITS.
B. PROVIDE PRINTED LABELS ON ALL RECEPTACLE AND SWITCH COVERPLATES INDICATING PANEL AND CIRCUIT NUMBER.
C. EMT CONDUIT SHALL BE 0.75" MINIMUM.
D. REFER TO DIVISION 22/ARCHITECTURAL DRAWINGS FOR LOCATIONS OF ALL PLUMBING EQUIPMENT.
E. CONTRACTOR SHALL INSTALL ELECTRICAL CONDUIT/FEEDERS TIGHT TO STRUCTURE TO ALLOW FOR REQUIRED CLEARANCES AROUND OTHER TRADES ABOVE CEILING EQUIPMENT.
F. (1) EACH BRANCH CIRCUIT HOMERUN SHALL HAVE NO MORE THAN THREE CIRCUITS. EACH BRANCH CIRCUIT SHALL HAVE A SEPARATE NEUTRAL AND GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR.
G. MULTI-GANG BACKBOXES FOR DIFFERENT VOLTAGES AND TYPES OF EMERGENCY AND NORMAL BRANCH WIRING DEVICES SHALL HAVE DIVIDERS BETWEEN DEVICES.
H. INCLUDE ALL WORK NECESSARY TO ACCOMMODATE PHASING.
I. REFER TO ARCHITECTURAL DRAWINGS AND GENERAL REQUIREMENTS SECTION 01 00 00.
J. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
K. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.
L. DUCT BANK MINIMUM COVER SHALL COMPLY WITH NEC TABLE 300.5.
M. COORDINATE DUCT BANK ROUTE WITH CIVIL DRAWINGS AND STORM DRAIN WORK.

NOTES

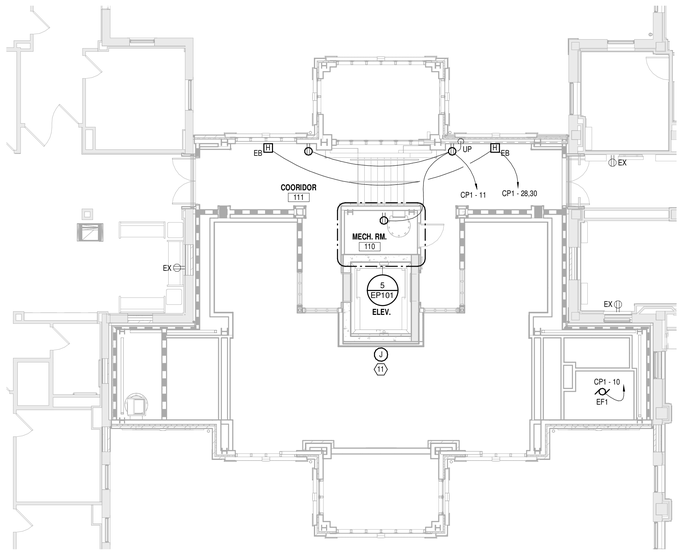
1. EXISTING FACP IS LOCATED IN BASEMENT OF BUILDING 210 ELECTRICAL ROOM.
2. UTILIZE EXISTING 120V-20A/1P SPARE BREAKER IN EXISTING PANEL FOR NEW WORK.
3. PROVIDE NON-METALLIC FLOOR BOX MADE OF HIGH STRENGTH RIGID PVC CONSTRUCTION (NON-CORROSIVE). BOX MUST HAVE OVERSIZED 1.5" (DATA) AND 1" (POWER) CONDUIT HUB. MINIMUM DEPTH OF POUR SHALL NOT EXCEED 3". PROVIDE FLOOR BOX WITH UNIVERSAL CARPET FLANGE (MADE OF CAST ALUMINUM) AND COVER ASSEMBLY. PROVIDE WITH (4) 20A, 125V RECEPTACLES AND (4) KEYSTONE OPENINGS FOR DATA JACKS OR FLUSH A/V CONNECTORS. VERIFY COLOR FINISH WITH ARCHITECT/COTR.
4. PROVIDE 1" PVC CONDUIT BELOW SLAB. UTILIZE RIGID FOR ELBOW TURN INTO PANEL.
5. RUN CIRCUIT BELOW FLOOR SLAB.
6. CONTRACTOR SHOULD CONSIDER RUNNING CIRCUIT BELOW FLOOR SLAB INTO ADJACENT CRAWL SPACE TO ACCESS EXISTING ELECTRICAL ROOM.
7. PROVIDE 120V CONNECTION TO SUMP PUMP CONTROL PANEL PROVIDED BY DIVISION 22.
8. PROVISIONS FOR FIRE ALARM NAC PANEL.
9. PROVIDE RECESSED 4" SQ. J-BOX AND 0.75"C. TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING BY DIVISION 22. COVERPLATE BY DIVISION 22. COORDINATE EXACT M.H. WITH DIVISION 22 PRIOR TO ROUGH IN.
10. ABOVE CEILING, LOW VOLTAGE TRANSFORMER FOR SENSOR OPERATED FLUSH VALVE PROVIDED BY DIVISION 22.
11. PROVIDE TWO(2) SINGLE GANG RECESSED BACK BOXES FLUSH WITH STUD WALL CONSTRUCTION. LOCATE BEHIND FULL HEIGHT STONE VANEER. PROVIDE 1-0.75"C (BOX A-POWER) AND 1-1.5"C (BOX B-DATA) TO ABOVE ACCESSIBLE CEILING SPACE FOR FUTURE WALL MOUNTED DIGITAL SIGNAGE. PLACE TAG ON EMPTY CONDUIT INDICATING "SPARE CONDUIT TO WALL MOUNTED JUNCTION BOX FOR FUTURE DIGITAL SIGNAGE". CONTRACTOR SHALL LIGHTLY MARK/INDICATE EXACT LOCATION OF BOXES BEHIND A SPECIFIC STONE OF THE VANEER WALL. COORDINATE EXACT LOCATION & HEIGHT WITH COTR/ARCHITECT DURING CONSTRUCTION.
12. WIRE THRU CONDENSING UNIT LOCATED ON ROOF.
13. PROVIDE 250V-30A/2P FUSED DISCONNECT SWITCH (FUSED AT 20A, LPJ). RUN 2-#12, #12 GRD. IN 0.75"C.
14. PROVIDE 208V-250A-3P (40HP) FUSIBLE POWER MODULE SWITCH (FUSED AT 225A, LPJ) WITH SHUNT TRIP, FIRE ALARM, VOLTAGE MONITORING, CONTROL RELAYS, PILOT LIGHTS, ETC. REFER TO EXISTING MAIN DIST. SWBD "210MDP" SCHEDULE FOR FEEDER SIZE.
15. EXTEND CIRCUIT TO ELEVATOR HOISTWAY LIGHTING.
16. EXISTING GENERATOR FIBER LOOP (2MM)(LOCATED ABOVE CEILING) FROM B211 FIBER TERMINATION PANEL TO NEW B210 PLC PANEL LOCATION TO BE REROUTED. REFER TO TECHNOLOGY SHEETS FOR ADDITIONAL FIBER INFORMATION.
17. PROPOSED LOCATION OF UNDERGROUND DUCTBANK. REFER TO SHEET E702 FOR DUCTBANK DETAIL.
18. EXISTING BUILDING 211 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. INTERCEPT AND EXTEND 4-600 KCMIL, 1-#2 GRD IN 4" EMT. PAINT IDENTIFICATION ON CONDUIT IN RED STENCIL. REFER TO E702 FOR DUCT BANK DETAIL AND ADDITIONAL NOTES.
19. EXISTING BUILDING 210 EMERGENCY FEEDER AND GENERATOR START CIRCUIT TO BE REROUTED. INTERCEPT AND EXTEND 4-500 KCMIL, 1-#3 GRD IN 4" EMT. PAINT IDENTIFICATION ON CONDUIT IN RED STENCIL. REFER TO E702 FOR DUCT BANK DETAIL AND ADDITIONAL NOTES.
20. PROVIDE 30A/3P DISCONNECT FOR BLOWER COIL AIR HANDLER (BC1). RUN 3-#10, #10 GRD. IN 0.75"C. COORDINATE EXACT PLACEMENT WITH ALL TRADES PRIOR TO ROUGHIN.
21. COORDINATE EXACT LOCATION, ROUTE AND WALL PENETRATIONS WITH OTHER TRADES DURING CONSTRUCTION.
22. PROVIDE RECESSED SINGLE GANG J-BOX AND 0.75"C. TO ABOVE ACCESSIBLE CEILING FOR LOW VOLTAGE WIRING BY DIVISION 22. PROVIDE GROMMETTED OPENING COVERPLATE. COORDINATE EXACT M.H. WITH DIVISION 22 PRIOR TO ROUGH IN.
23. ABOVE CEILING, LOW VOLTAGE TRANSFORMER FOR SENSOR OPERATED FAUCET PROVIDED BY DIVISION 22.
24. CONNECT BOTH SETS OF DOORS ON SAME LIFE SAFETY CIRCUIT.
25. EXISTING AREA OF REFUGE LOCATED AT NURSESS STATION LOCATED ON FIRST FLOOR ABOVE.
26. PROVIDE UNISTRUT FRAMING TO OFFSET CONTROL PANEL TO IN FRONT OF STRUCTURAL BRACING. MAINTAIN PROPER NEC 110.26 CLEARANCES. COORDINATE EXACT LOCATION IN FIELD DURING CONSTRUCTION.
27. PROVIDE NEW NEMA 1 PULL BOX IN CRAWL SPACE AS SPLICE LOCATION. SIZE PER 2011 NEC A314. COORDINATE EXACT LOCATION WITH EXISTING UTILITIES WITHIN CRAWL SPACE.



N 2 PLAN

SECOND FLOOR PLAN - POWER

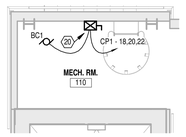
Scale: 1/8" = 1'-0"



N 3 PLAN

FIRST FLOOR PLAN - POWER

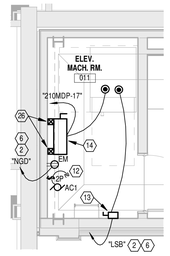
Scale: 1/8" = 1'-0"



N 5 PLAN

LEVEL 1 PLAN - MECH ROOM - SYSTEMS

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



N 4 PLAN

ELEVATOR MACHINE ROOM

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

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

STATE OF OHIO — GARY S. EODICE E-52755 — REGISTERED PROFESSIONAL ENGINEER

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Drawing Title: FLOOR PLANS - POWER

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

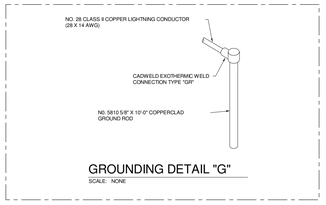
Building Number: 210/211

Drawing Number: EP101

Dwg. 60 of 70

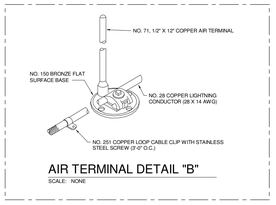
Office of Construction and Facilities Management

Department of Veterans Affairs



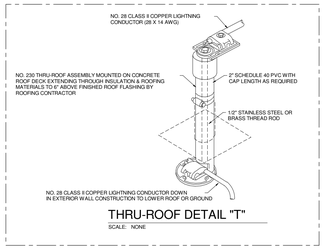
GROUNDING DETAIL "G"

SCALE: NONE



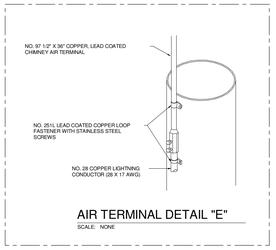
AIR TERMINAL DETAIL "B"

SCALE: NONE



THRU-ROOF DETAIL "T"

SCALE: NONE



AIR TERMINAL DETAIL "E"

SCALE: NONE

GENERAL NOTES

A COMPLETED SYSTEM SHALL MEET THE INSTALLATION REQUIREMENTS FOR LIGHTNING PROTECTION SYSTEMS, "UL96A" OF UNDERWRITERS LABORATORIES INC., NFPA 780 AND SHALL BEAR THE MASTER LABEL OFUNDERWRITERS LABORATORIES INC.

B LAYOUT IS FOR BIDDING REFERENCE ONLY. SUCESSFUL LIGHTNING PROTECTION CONTRACTOR SHALL PREPARE FINAL LIGHTNING PROTECTION DRAWINGS & DETAILS.

C REFER TO LIGHTNING PROTECTION SPECIFICATIONS.

D INCLUDE POINTS ON ALL ROOF MOUNTED EQUIPMENTS, VENTS, ETC.

E E.C. TO BOND ALL FOUNDATION WALL AND CAISSON REINFORCEMENT STEEL NOT UTILIZED FOR LIGHTNING PROTECTION PER NEC 2005, ARTICLE 250.

F COMPLY WITH WATERPROOFING SUBCONTRACTOR REQUIREMENTS.

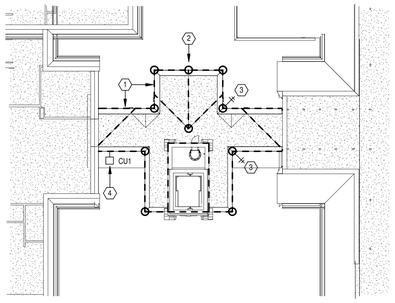
NOTES

1 LIGHTNING PROTECTION ROOF CONDUCTOR

2 LIGHTNING PROTECTION STRIKE TERMINATION DEVICE.

3 LIGHTNING PROTECTION DOWN CONDUCTOR CONCEALED IN BUILDING AND GROUND RODS(S) AS REQUIRED FOR SOIL CONDITIONS

4 BOND TO HVAC EQUIPMENT.



DETAIL NOTES

1 EXISTING AREA OF RESCUE 4 ZONE ANNUNCIATOR/MASTER CONTROL PANEL WITH TWO WAY VOICE INTERCOMPROVIDED UNDER PREVIOUS PROJECT (B210 GFCW).

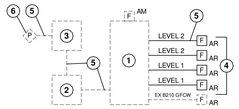
2 EXISTING POWER SUPPLY.

3 EXISTING TELEPHONE ACCESS KIT WITH AUTO DIALER PROGRAMMED TO CALL POLICE.

4 PROVIDE NEW FULLY SUPERVISED VANDAL RESISTANT CALL STATION WITH TWO WAY VOICE INTERCOM, MOMENTARY CALL IN FLUSH PUSHBUTTON, LED AND AUDIBLE ALARM (70 db @ 30cm), STAINLESS STEEL FACEPLATE AND TAMPERPROOF SCREWS. MUST BE COMPATIBLE WITH EXISTING SYSTEM.

5 WIRING IN 0.75"C. PER MANUFACTURER.

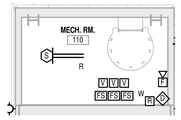
6 EXISTING VOICE JACK. REFER TO FLOOR PLANS.



N PROJECT

AREA OF REFUGE DETAIL

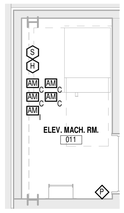
Scale: 1/8" = 1'-0"



N PROJECT

LEVEL 1 PLAN - MECH ROOM - SIGNALS

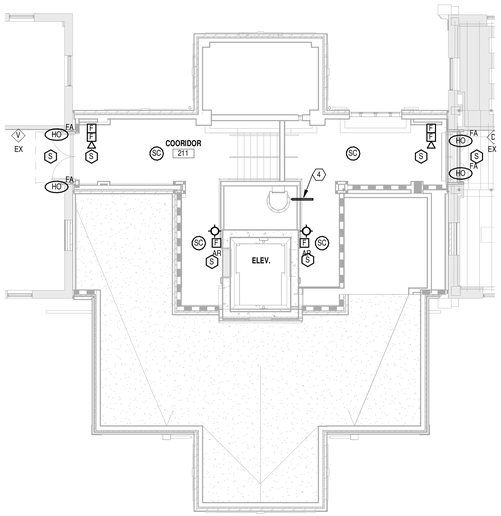
Scale: 1/4" = 1'-0"



N PROJECT

ELEVATOR MACHINE ROOM

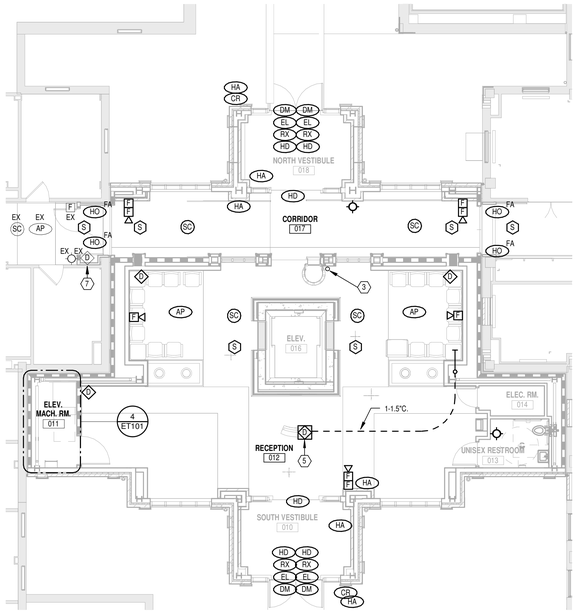
Scale: 1/4" = 1'-0"



N PROJECT

LEVEL 2 PLAN - SIGNALS

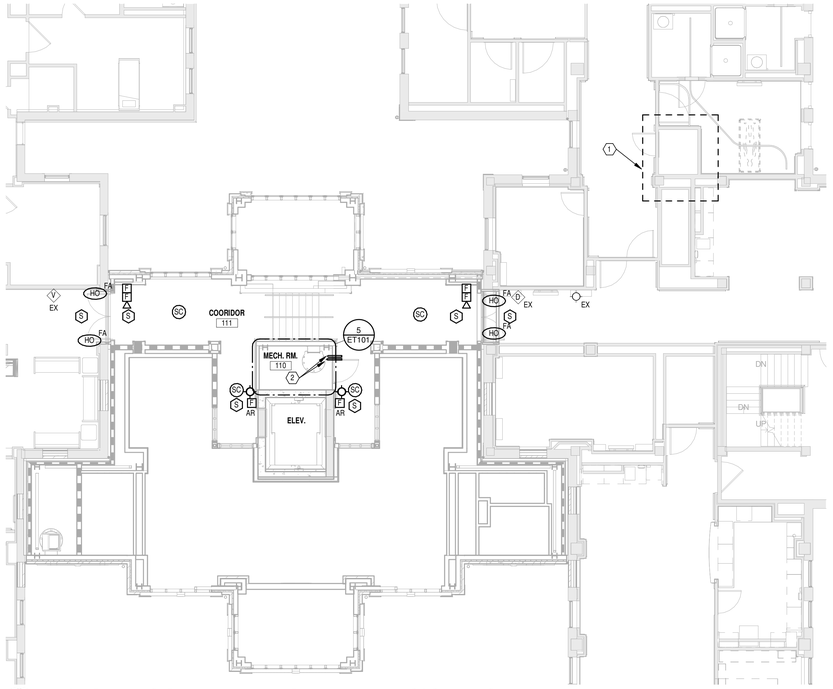
Scale: 1/8" = 1'-0"



N PROJECT

BASEMENT FLOOR PLAN - SIGNALS

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



N PROJECT

FIRST FLOOR PLAN - POWER AND SIGNALS

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

GENERAL NOTES (SIGNALS)

A. ALL NEW VOICE/DATA TO BE CABLED TO SIGNALS CLOSET 133 IN BUILDING 211.
B. REFER TO ARCHITECTURAL PHASING PLAN AND INCLUDE ALL WORK NECESSARY TO ACCOMODATE PHASING.
C. REFER TO ARCHITECTURAL DRAWINGS FOR RATED WALL LOCATIONS.
D. COORDINATE ALL NEW FIRE ALARM/FIRE SUPPRESSION ZONES WITH PROJECT ENGINEER.
E. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATIONS OF DEVICES MOUNTED ABOVE OR BELOW CASEWORK, FURNITURE, LAVATORIES, ETC.
F. FIELD VERIFY ALL NEW CABLE TRAY ROUTES, SIZES, HEIGHTS, ETC. WITH OTHER TRADES AND PROVIDE ALL OFFSETS, FITTINGS, ETC AS REQUIRED.
G. REFER TO POWER PLANS FOR LOCATION OF EXISTING 210 FACP.

NOTES

1. EXISTING SIGNALS CLOSET TO BE UTILIZED FOR NEW VOICE/DATA CABLING. TERMINATE NEW VOICE CABLES ON NEW 110 BLOCKS AT EXISTING VOICE WALL FIELD. TERMINATE NEW DATA CABLES ON NEW RACK MOUNTED DATA PATCH PANELS (1-BLUE, 1-YELLOW).
2. CONDUIT RISERS FROM BASEMENT AND SECOND FLOOR FOR NEW VOICE/DATA AND PAGING CABLING TO ROUTE TO EXISTING SIGNALS CLOSET ON FIRST FLOOR OF BUILDING 211.
3. CONDUIT RISER UP TO FIRST FLOOR FOR NEW VOICE/DATA AND PAGING CABLING.
4. CONDUIT RISER UP FROM FIRST FLOOR FOR NEW VOICE/DATA AND PAGING CABLING.
5. REFER TO PLANS FOR DESCRIPTION OF REQUIRED FLOOR BOX.
6. COORDINATE FINAL LOCATION OF MASTER CONTROL PANEL WITH COTR PRIOR TO CONSTRUCTION.
7. EXISTING WALL MOUNTED RTLS TO REMAIN.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: FLOOR PLANS - SIGNALS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: ET101

Dwg. 61 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

SPECIFICATION GRADE, WALL MOUNTED FIXTURE, NOMINAL 5"H x 4"D x 4' IN SIZE

HOUSING: HEAVY GAUGE STEEL HOUSING, DIE EMBOSSED FOR MAXIMUM RIGIDITY. PROVIDE WITH METAL END PIECES.

SHIELDING: CLEAR ACRYLIC PRISMATIC DIFFUSER, FLAT BOTTOM WITH VERTICAL SIDES. INJECTION MOLDED ENDS. 100% OPAL ACRYLIC EXTRUSION.

FINISH: WHITE PAINTED. TREATED WITH 5-STAGE PHOSPHATE BONDING PROCESS. PAINT AFTER FABRICATION WITH MIN OF 90% REFLECTIVE GLOSS BAKED ENAMEL.

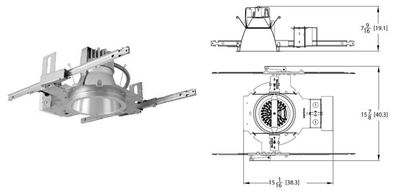
LAMPS: TWO RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

LOCATION: WALL MOUNT, COORDINATE WITH OTHER TRADES DURING CONSTRUCTION.

SLIM WALL MOUNT

E / W-2



SPECIFICATION GRADE LED RECESSED DOWNLIGHT, NOMINAL 6" DIA.

HOUSING: ONE-PIECE 16 GAUGE NON-CORROSIVE GALVANIZED STEEL CONSTRUCTION, TELESCOPIC MOUNTING BARS, ACCESS TO LIGHT ENGINE AND DRIVER ASSEMBLY ARE ACCESSIBLE THRU APERTURE.

FULLY SERVICEABLE LENSED LED LIGHT ENGINE

WHITE TRIM RING.

REFLECTOR SHALL BE SEMI-SPECULAR SILVER REFLECTOR.

LED LIGHT ENGINE SHALL PRODUCE 50,000 HOURS AT 70% LUMEN MAINTENANCE.

LED DRIVER SHALL BE UNIVERSAL FOR 120 OR 277V OPERATION PRODUCING 2000 LUMENS PER FIXTURE.

FIXTURE SHALL COME STANDARD WITH 0-10V DIMMING CAPABILITY. FLICKER FREE DIMMING TO 10%

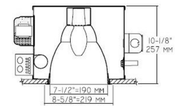
LED COLOR TEMP - 4000K

EN2 - 1400 LUMENS

EN3 - 1000 LUMENS

RECESSED LED DOWNLIGHT

E / N-X



HOUSING: DIE-CAST ALUMINUM LAMPHOLDER HOUSING. MEDIUM BASE SOCKET WITH GLAZED PORCELAIN.

REFLECTOR: SEMI-SPECULAR CLEAR ALZAK REFLECTOR.

TRIM: CAST ALUMINUM TRIM RING WITH BAKED WHITE ENAMEL FINISH AND SELF-ALIGNING AND CONSTANT TENSION TRIM SUPPORT MECHANISM.

BALLAST: PRE-WIRED, ENCASED AND POTTED, 120 VAC.

LAMP: 250 WATT, METAL HALIDE, MEDIUM BASE.

FUSE: SINGLE FUSE.

OPEN RECESSED CAN LIGHT

E / N1

SPECIFICATION GRADE RECESSED FLUORESCENT LIGHTING TROFFER WITH FLAT LOW-BRIGHTNESS LENS PANEL, NOMINAL 2' X 4' IN SIZE AND APPROXIMATELY 4.25 INCHES DEEP.

HOUSING: DIE FORMED AND EMBOSSED CODE GAUGE STEEL. END CAPS HINGED AND SCREWED TO HOUSING FOR RIGIDITY. DESIGNED FOR INSTALLATION IN CEILING TYPE SHOWN ON ARCHITECTURAL DRAWINGS. INTEGRAL T-BAR CLIPS. HARDWARE FOR MINIMUM 4 POINTS OF SUPPORT. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING.

REFLECTOR: HIGH REFLECTANCE BAKED WHITE ENAMEL AND SPECULAR SILVER INSERT.

FINISH: MULTI-STAGE PHOSPHATE BONDING TREATMENT AND HIGH REFLECTANCE BAKED WHITE ENAMEL.

SHIELDING: 100% PRISMATIC VIRGIN ACRYLIC, PATTERN 12, .125" THICK (NOMINAL). FLUSH DOOR WITH MITRED CORNERS, INCONSPICUOUS CAM ACTION LATCHES.

LAMPS: RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

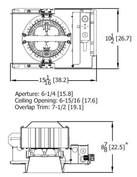
BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

VARIATIONS:

EF2: TWO LAMP FIXTURE WITH ONE STANDARD BALLAST.

RECESSED FLUORESCENT FIXTURE

E / F2



* HIGH AMBIENT FIXTURE HEIGHT - 10-5/8"

SPECIFICATION GRADE LED RECESSED OPEN DOWNLIGHT, NOMINAL 6" DIA.

HOUSING: ONE-PIECE 16 GAUGE BLACK PAINTED STEEL MOUNTING FRAME WITH C-CHANNEL MOUNTING BARS. GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS AND SPRING LATCH.

CLEAR APERTURE/TRIM COLOR AND SEMI-SPECULAR FINISH.

LED LIGHT ENGINE SHALL PRODUCE 50,000 HOURS AT 70% OUTPUT.

LED DRIVER SHALL BE UNIVERSAL FOR 120 OR 277V OPERATION PRODUCING 4500 LUMENS PER FIXTURE.

FIXTURE SHALL COME STANDARD WITH 0-10V DIMMING CAPABILITY. FLICKER FREE DIMMING TO 10%

LED COLOR TEMP - 4000K

RECESSED LED DOWNLIGHT

E / N-4

SPECIFICATION GRADE LOW PROFILE FLUORESCENT LIGHTING FIXTURE WITH ACRYLIC LENS, NOMINAL 4.25" DP x 7.25" WIDE x 48"L IN SIZE.

HOUSING: MOLDED FIBERGLASS HOUSING. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING. IP67 RATED

REFLECTOR: PAINTED WHITE INTERNAL METAL.

LAMPS: TWO RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

LOCATION: SURFACE MOUNT IN ELEVATOR SHAFT WITHOUT CONFLICTING WITH EQUIP.

FLUORESCENT VAPORTIGHT

E / W-1

SPECIFICATION GRADE RECESSED FLUORESCENT LIGHTING TROFFER WITH LUMINOUS HIGH EFFICIENCY LENS PANELS, NOMINAL 2' X 4' IN SIZE AND APPROXIMATELY 4.5 INCHES DEEP.

HOUSING: DIE FORMED AND EMBOSSED CODE GAUGE STEEL. END CAPS HINGED AND SCREWED TO HOUSING FOR RIGIDITY. DESIGNED FOR INSTALLATION IN CEILING TYPE SHOWN ON ARCHITECTURAL DRAWINGS. INTEGRAL T-BAR CLIPS. HARDWARE FOR MINIMUM 4 POINTS OF SUPPORT. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING. OPTICS: HIGH TRANSMISSION EXTRUDED ACRYLIC. S/MH 1.2, 87%%% EFFICIENCY MIN.

REFLECTOR: DIE-EMBOSSED STEEL WITH TRANSVERSE RIBS FOR RIGIDITY. 10%-15% UPLIGHT APERTURES.

DOOR: FLUSH FRAME-LESS HINGED DOOR WITH INCONSPICUOUS CAM ACTION LATCHES.

FINISH: MULTI-STAGE PHOSPHATE BONDING TREATMENT AND SOFT NON-GLARE HIGH REFLECTANCE POWDER COAT. LAMPS: TWO RAPID START 32W-T8 LAMPS, MIN CRI OF 86, 5000K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

VARIATIONS:

EF28a: TWO LAMP FIXTURE WITH PROGRAMMED RAPID START STEP DIMMING BALLAST.

EF28b: TWO LAMP FIXTURE, 17W-T8, 2' X 2'

RECESSED FLUORESCENT FIXTURE

E / F-1

SPECIFICATION GRADE WALL MOUNTED LIGHTING FIXTURE.

HOUSING: DIE-FORMED ALUMINUM HOUSING AND HEAT SINK HAS TOLERANCE CONTROL AND REPEATABILITY IN MANUFACTURING.

REFLECTOR: HIGH REFLECTANCE STEEL OR ALUMINUM, MIN 85% REFLECTANCE.

FINISH: POLYESTER POWDER COAT PAINT. WHITE COVER PLATE AND WHITE BAKED ENAMEL.

LAMPS: RAPID START 17W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

FLUORESCENT VANITY FIXTURE

E / W-1

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: LIGHTING FIXTURE DESCRIPTIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E501

Dwg. 62 of 70

Office of Construction and Facilities Management

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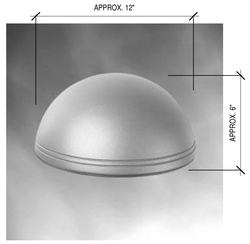


HOUSING:
DIE CAST ALUMINUM TRAPEZOIDAL WEDGE. MEMORY RETENTIVE GASKET SEALS AROUND HOUSING DOOR FRAME.

DOOR FRAME:
SINGLE-PIECE DIE CAST ALUMINUM DOOR FRAME. HINGED CLOSED AND SECURED TO THE HOUSING WITH TWO(2) CAPTIVE STAINLESS STEEL FASTENERS.

DISTRIBUTION: PREFERED WIDE THROW OPTIC, FEATURING IMPROVED FORWARD THROW

VOLTAGE: 120V. PROVIDED WITH SINGLE FUSE

LED SELECTION: NEUTRAL WHITE 4000K - 70 CRI

LED WATTAGE AND LUMEN VALUES: 28 AVERAGE SYSTEM WATTS, 350mA DRIVER, 2,209 LUMENS

COLOR SELECTION BY COTR

OUTDOOR WALL MOUNTED HPS FIXTURE

E / O-18

HOUSING AND CANOPY: MARINE GRADE VINYL CLAD ALUMINUM.

DOOR FRAME: HINGED WITH ALUMINUM REINFORCED POLYCARBONATE SHIELD.

FINISH: WHITE

INSCRIPTION PANEL(S): RED L.E.D. 6" LETTERS

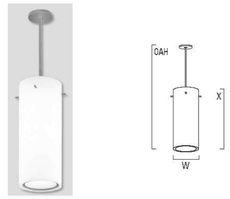
LAMPS: MULTIPLE L.E.D. LAMP ASSEMBLY WITH MINIMUM OF 20,000 HOURS LIFE.

VARIATIONS: TYPE EX2 DENOTE DOUBLE FACED FIXTURES. FURNISHED FIXTURES WITH DIRECTIONAL ARROWS WHERE SHOWN ON DRAWINGS AND WIRED FOR 120/277-VOLT OPERATION AS INDICATED.

LOCATION: CEILING MOUNT WHERE SHOWN. WALL MOUNT AT 7'-4" AFF WHERE SHOWN UNLESS OTHERWISE NOTED.

TOP MOUNTED EXIT LIGHT

E / X1



FLUORESCENT DECORATIVE PENDANT FIXTURE. CLUSTER AS SHOWN ON DRAWINGS/ELEVATIONS. COORDINATE EACH FIXTURE STEM LENGTH WITH ARCHITECT.

HOUSING: MATTE WHITE ACRYLIC CYLINDER WITH CYLINDRICAL STAINLESS STEEL BUTTONS. RIGID FINISHED STEM SUSPENSION, FIELD CUT. CONCEALED POWER CORD. WHITE CANOPY.

FINISH: OVER CURED, NO VOC ACRYLIC POWDER COAT. COORDINATE EXACT STEM/CANOPY FINISH WITH ARCHITECT/COTR.

BALLAST: INTEGRAL HPF ELECTRONIC 0.9 BF, 120/277V.

DIMENSIONS: 10" DIA x 40" H (BODY), OAH PER ELEVATIONS.

LAMPS: TWO 39W T5 HIGH OUTPUT, MIN CRI OF 84

CYLINDER PENDENT

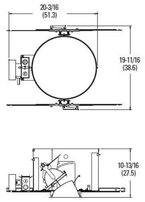
E / P1

LIGHTING CONTROL PANEL "LCP1"

	RELAY NO.	INPUT TYPE	CIRCUIT	AREA	CONTROL SEQUENCE	TIME OF DAY OFF	OVERRIDE ON (HRS) (TIMEOUT)	INPUT MASK
	1	PC	CP1-13	ATRIUM LIGHTING	ON / OFF *	*	*	NONE
	2	PC	CP1-15	CORRIDOR LIGHTING	ON / OFF *	*	*	
	3	PC	CP1-16	ATRIUM LIGHTING	ON / OFF *	*	*	
	4	PC	CP1-17	ATRIUM LIGHTING	ON / OFF *	*	*	
	5		SPARE					
	6							
	7							
(EM)	8	PC	LS1	VESTIBULE LIGHTING	ON DAWN / OFF DUSK	*	*	

* - TO BE DETERMINED BY OWNER, Lx-LOW VOLTAGE MOMENTARY WALL SWITCH, EM - UL924 LISTED RELAY, PC-PHOTOCELL.

NOTE: COORDINATE "TIME-OF-DAY-OFF" WITH CHILLICOTHE VAMC ENERGY ENGINEER.



SPECIFICATION GRADE CERAMIC METAL HALIDE RECESSED OPEN DOWNLIGHT, NOMINAL 6" DIA.

OPTICAL SYSTEM:
TOOL-LESS 0 -40 VERTICAL AND 355 HORIZONTAL LAMP ADJUSTMENTS MADE WITH TRIM ASSEMBLY REMOVED FOR SIMPLE FOCUSING.

NARROW DISTRIBUTION

HOUSING: ONE-PIECE 16 GAUGE BLACK PAINTED STEEL MOUNTING FRAME WITH C-CHANNEL MOUNTING BARS. GALVANIZED STEEL JUNCTION BOX WITH HINGED ACCESS COVERS AND SPRING LATCH.

CLEAR APERTURE/TRIM COLOR AND SEMI-SPECULAR FINISH.

BALLAST: PRE-WIRED FOR 120VAC.

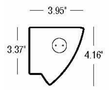
LAMP: 150 MHC - T6

LED COLOR TEMP - 4000K

* COORDINATE AIMING IN FIELD WITH COTR/ARCHITECT DURING CONSTRUCTION

RECESSED ADJUSTABLE ACCENT DOWNLIGHT

E / N-5



SPECIFICATION GRADE WALL MOUNTED LIGHTING FIXTURE.

HOUSING: EXTRUDED ALUMINUM HOUSING WITH PERFORATED VERTICAL CURVED FACIA. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING.

REFLECTOR: HIGH REFLECTANCE STEEL OR ALUMINUM, MIN 85% REFLECTANCE.

FINISH: MULTI-STAGE PHOSPHATE BONDING TREATMENT AND WHITE BAKED ENAMEL.

LAMPS: RAPID START 17W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

EW5: NOMINAL 24" IN LENGTH, 1-17W T8 LAMP.

FLUORESCENT VANITY FIXTURE

E / W-2

SPECIFICATION GRADE CHAIN HUNG INDUSTRIAL, NOMINAL 14" X 4' IN SIZE AND APPROXIMATELY 6" DEEP.

HOUSING: CODE GAUGE STEEL HOUSING WITH LONGITUDINAL REINFORCING RIBS. SEPARATE NON-CAPTIVE STUD FOR FIXTURE GROUNDING. DESIGNED FOR INDIVIDUAL OR CONTINUOUS ROW MOUNTING. SPRING LOADED TURRET LAMP HOLDERS. WIRE GUARD.

REFLECTOR: DIE-EMBOSSED STEEL WITH TRANSVERSE RIBS FOR RIGIDITY. 10%-15% UPLIGHT APERTURES.

FINISH: MULTI-STAGE PHOSPHATE BONDING TREATMENT AND HIGH REFLECTANCE BAKE ENAMEL.

LAMPS: TWO RAPID START 32W-T8 LAMPS, MIN CRI OF 85, 4100K.

BALLAST: HPF ELECTRONIC PROGRAMMED RAPID START BALLAST, 0.88BF, 120/277V.

LOCATION: CHAIN MOUNT AT 7'-6" AFF UNLESS NOTED OTHERWISE.

FLUORESCENT INDUSTRIAL FIXTURE

E / C1

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

Heapy Engineering
Mechanical Electrical Commissioning Technology
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1400 W Dorothy Lane, Dayton OH 45409-1310
Ph: 937-224-0861 Fax: 937-224-5777 www.heapy.com
PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

STATE OF OHIO — GARY S. EDDICE E-52755 — REGISTERED PROFESSIONAL ENGINEER

ARCHITECT/ENGINEERS:

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Drawing Title: LIGHTING FIXTURE DESCRIPTIONS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

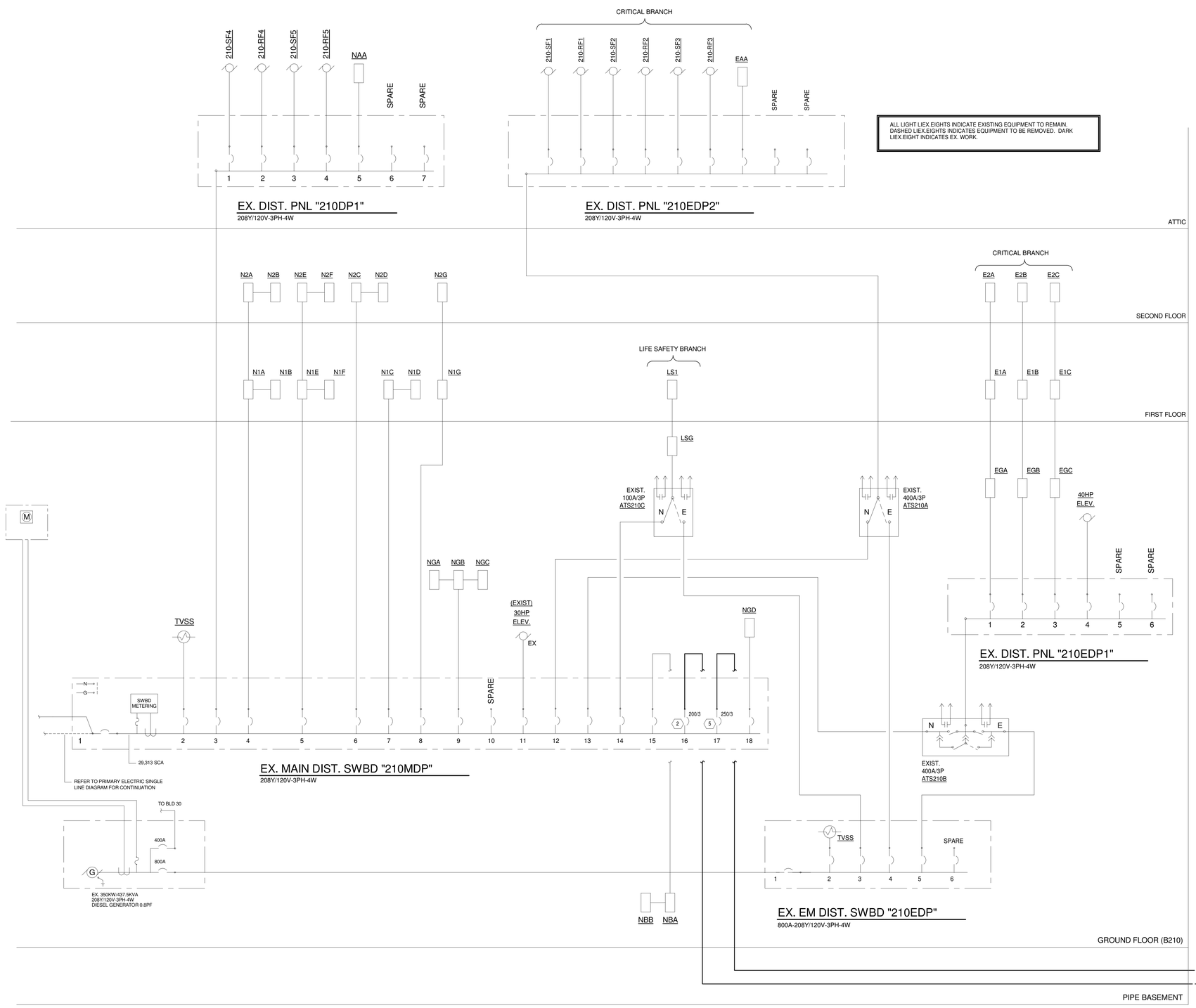
Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

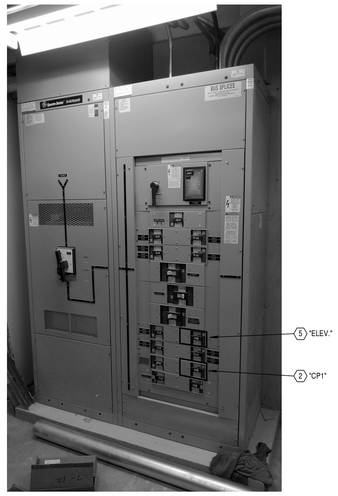
Building Number: 210/211

Drawing Number: E502

Dwg. 63 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs





A EXISTING MAIN SWBD "210 MDP"
E601 SCALE: NONE

GENERAL NOTES

A ALL WORK SHOWN IS EXISTING UNLESS OTHERWISE NOTED.

NOTES

1. RUN 4-#3/0, 1-#6 GRD. IN 2.5"C.
2. UTILIZE EXISTING 200A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL FOR NEW WORK.
3. RUN 3-#250, 1-#4 GRD. IN 2.5"C.
4. RUN NEW FEEDER UNDERGROUND BELOW CONNECTOR FLOOR SLAB AND RISE INTO EQUIPMENT.
5. UTILIZE EXISTING 250A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL FOR NEW WORK.

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

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Drawing Title: SINGLE LINE

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JAS

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

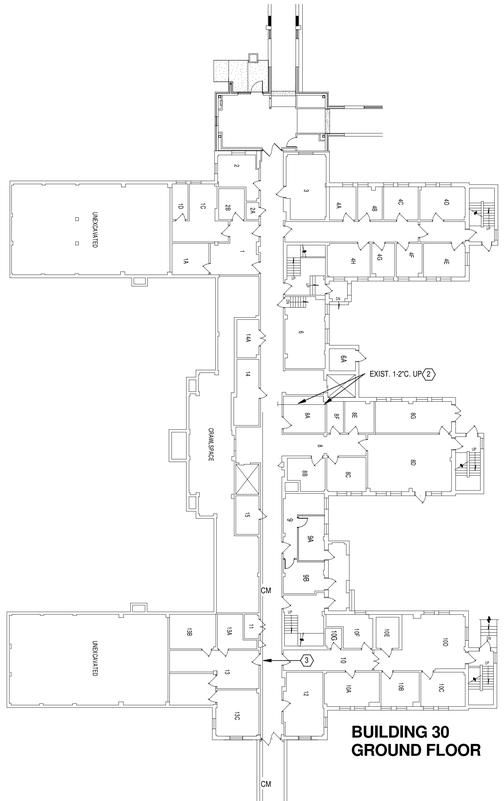
Drawing Number: E601

Dwg. 64 of 70

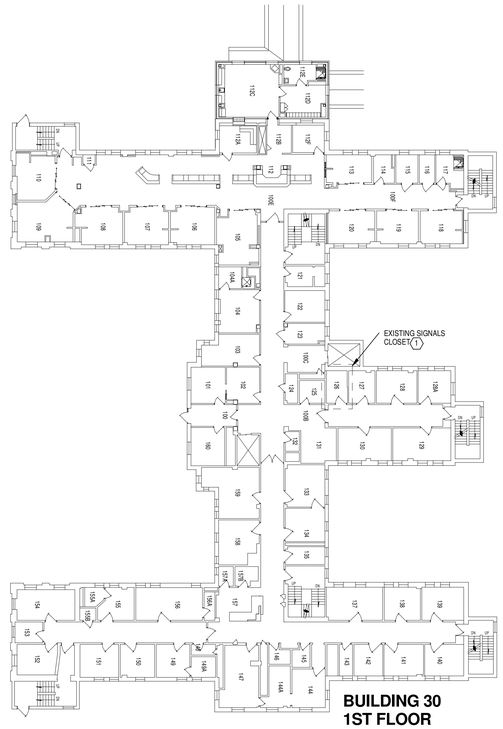
Office of Construction and Facilities Management
Department of Veterans Affairs

PLAN NOTES

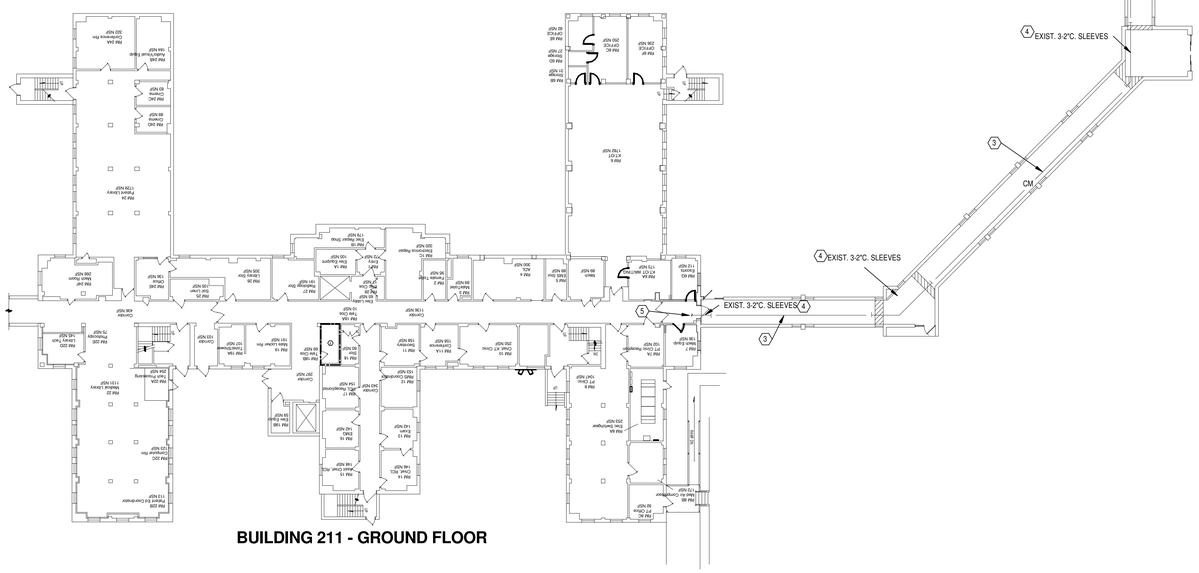
1. PROVIDE NEW FIBER TERMINATION CABINET IN EXISTING RACK FOR NEW FIBER BACKBONE CABLING TO BUILDINGS 210 AND 24.
2. UTILIZE EXISTING CONDUIT RISERS FOR NEW FIBER BACKBONE CABLING.
3. UTILIZE NEW CABLE MANAGEMENT J-HOOKS ABOVE CEILING FOR NEW FIBER BACKBONES.
4. UTILIZE EXISTING CONDUIT SLEEVES FOR NEW FIBER BACKBONE CABLING.
5. REFER TO SHEET E703 FOR CONTINUATION.



BUILDING 30
GROUND FLOOR



BUILDING 30
1ST FLOOR



BUILDING 211 - GROUND FLOOR

1 **BUILDING 30/211 GROUND FLOOR PLAN**
SCALE: 1" = 20'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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STATE OF OHIO — GARY S. EODICE E-52755 — REGISTERED PROFESSIONAL ENGINEER

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Drawing Title: BUILDING 30/211 CONNECTION PLAN

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JDK

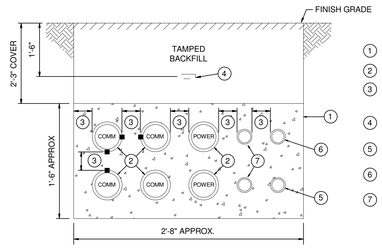
Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E701

Dwg. 65 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

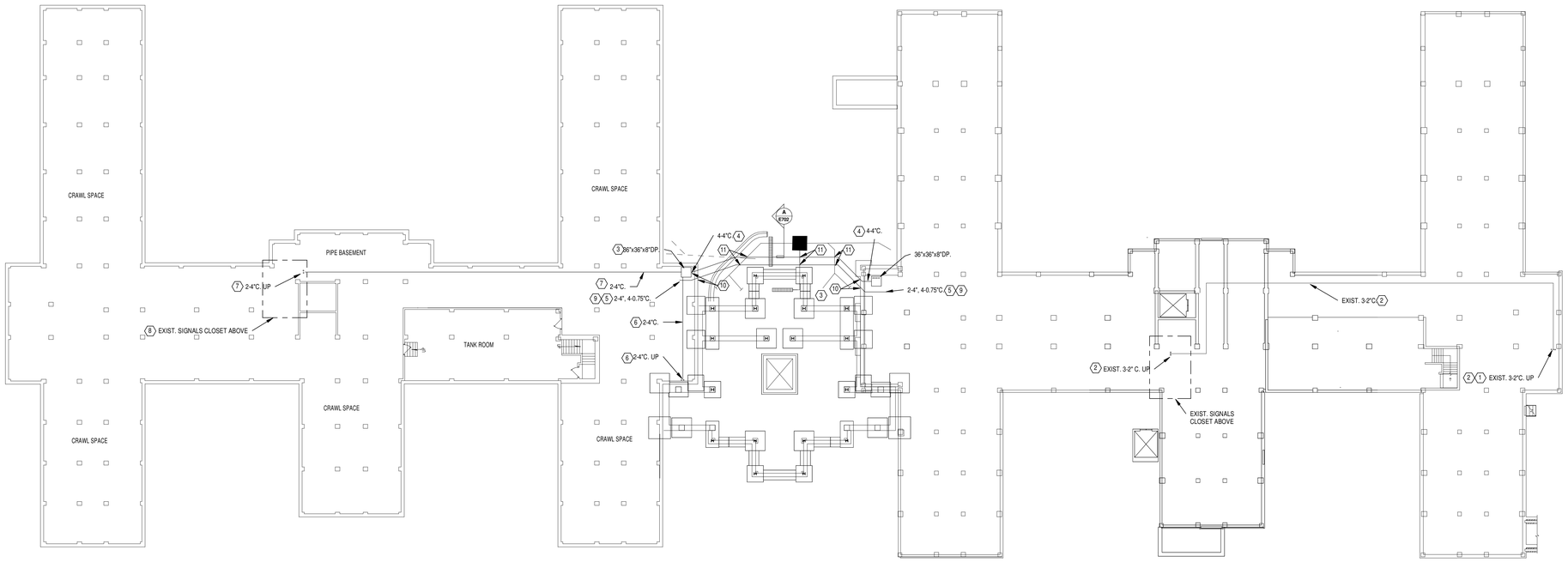


1. 3000 LB. CONCRETE
2. 4" I.D. DUCTS, SCHEDULE 40 PVC.
3. MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.
4. RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.
5. 0.75" I.D. DUCTS, SCHEDULE 40 PVC FOR GENERATOR START CIRCUIT (BUILDING 30).
6. 0.75" I.D. DUCTS, SCHEDULE 40 PVC FOR GENERATOR START CIRCUIT (BUILDING 211).
7. SPARE 0.75" I.D. DUCTS, SCHEDULE 40 PVC FOR FUTURE

UNDERGROUND DUCTS (A / E702)
SCALE: NONE

PLAN NOTES

1. REFER TO SHEETS E701 AND E703 FOR CONTINUATION.
2. UTILIZE EXISTING CONDUIT SYSTEM FOR ROUTING OF NEW FIBER OPTIC BACKBONE CABLES.
3. PROVIDE NEW COMMUNICATIONS PULL BOX IN PIPE BASEMENT SPACE FOR FIBER/VOICE BACKBONE AND RE-ROUTED COMMUNICATIONS CABLING.
4. PROVIDE NEW CONDUIT PATHWAY FOR NEW FIBER/VOICE BACKBONES AND RE-ROUTED COMMUNICATIONS CABLES.
5. PROVIDE NEW CONDUIT PATHWAY FOR POWER AND POWER SYSTEMS CABLING.
6. PROVIDE NEW CONDUIT PATHWAY FOR RE-ROUTED COMMUNICATIONS CABLES
7. PROVIDE NEW CONDUIT PATHWAY FOR NEW FIBER/VOICE BACKBONES.
8. REFER TO SHEET E703 FOR CONTINUATION.
9. REFER TO SHEET EP101 FOR CONTINUATION.
10. PROVIDE CORE DRILL PENETRATION WITH SLEEVES IN EXISTING FOUNDATION WALLS. SEAL SLEEVES AND CONDUIT PENETRATIONS WATERTIGHT AFTER INSTALLATION OF NEW DUCTS.
11. MINIMUM BURIAL DEPTH, 24" BELOW FINISHED GRADE. COORDINATE WITH EXISTING AND NEW SANITARY LINES.



BUILDING 210 **BUILDING 211**

1 **BUILDING 210/211 PIPE BASEMENT CONNECTIONS**
SCALE: 1/16" = 1'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

Heapy Engineering
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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

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Drawing Title: BUILDING 210/211 PIPE BASEMENT CONNECTION

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JDK

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E702

Dwg. 66 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs

EXISTING CABLE SCHEDULE

ID	COLOR	MAKE	DESCRIPTION	NOTES
A.	ORANGE	-	2 STRAND 62.5 FIBER	7
B.	WHITE	WEST PENN 25186B	-	1
C.	DARK GREY	BELDEN N-6304-	UE 6C18	1
D.	LIGHT TAN	-	12AWG	1
E.	WHITE	BELDEN N-6000-UE	2C12	1
F.	GREY	BELDEN N-5304-FE	6C18 SHIELDED	1
G.	BLACK	-	RG59	1
H.	GREY	BELDEN 5304	6C18 SHIELDED	1
I.	GREY	BELDEN 5304	6C18 SHIELDED	1
J.	GREY	-	25 PAIR CAT 3	1
K.	WHITE	BELDEN LANLITE	6 STRAND 62.5 FIBER	7
L.	WHITE	BELDEN LANLITE	6 STRAND 62.5 FIBER	7
M.	GREY	COMMSCOPE	CAT 5E	4
N.	BLACK	-	RG59	1
O.	CLEAR	-	RG11	1
P.	GREY	BELDEN M9306	-	1
Q.	BLACK	-	100 PAIR CAT 3	2
R.	GREY	-	25 PAIR CAT 3	1
S.	GREY	-	100 PAIR CAT 3	2
T.	RED	BELDEN 8994 LPP2-	-	1
U.	ORANGE	ROMEX	-	3
V.	BLUE	-	3 - CAT 5E CABLE BUNDLE	4
W.	-	2 - BELDEN 5303UE2C18	-	1
X.	-	BELDEN 5000UE	2C12	1
Y.	BLACK	-	25 PAIR CAT 3	1
Z.	BLACK	-	25 PAIR CAT 3	1
AA.	CLEAR	-	300 PAIR	2
AB.	WHITE	-	INNERDUCT - EMPTY)	5
AC.	WHITE	-	INERDUCT WITH 2-12 STRAND SM FIBER	6

SCHEDULE NOTES

1. EXISTING CABLE TO BE SPLICED AT BOTH ENDS AND RE-ROUTED THROUGH NEW UNDERGROUND CONDUIT.
2. EXISTING CABLE TO BE REMOVED AND REPLACED WITH NEW CABLE SEGMENT
3. EXISTING CABLE TO BE REMOVED BACK TO SOURCE
4. EXISTING DATA CABLES TO BE REMOVED BACK TO LOCAL SIGNALS CLOSET.
5. PROVIDE COUPLER AND RE-ROUTE THROUGH NEW UNDERGROUND CONDUIT SYSTEM. RE-CONNECT AT BOTH ENDS.
6. PROVIDE NEW FIBER BACKBONES FROM BUILDING 30 TO BUILDINGS 210 AND 24. REMOVE EXISTING AFTER NEW BACKBONES ARE COMPLETE
7. FIELD VERIFY SOURCE/DESTINATION.

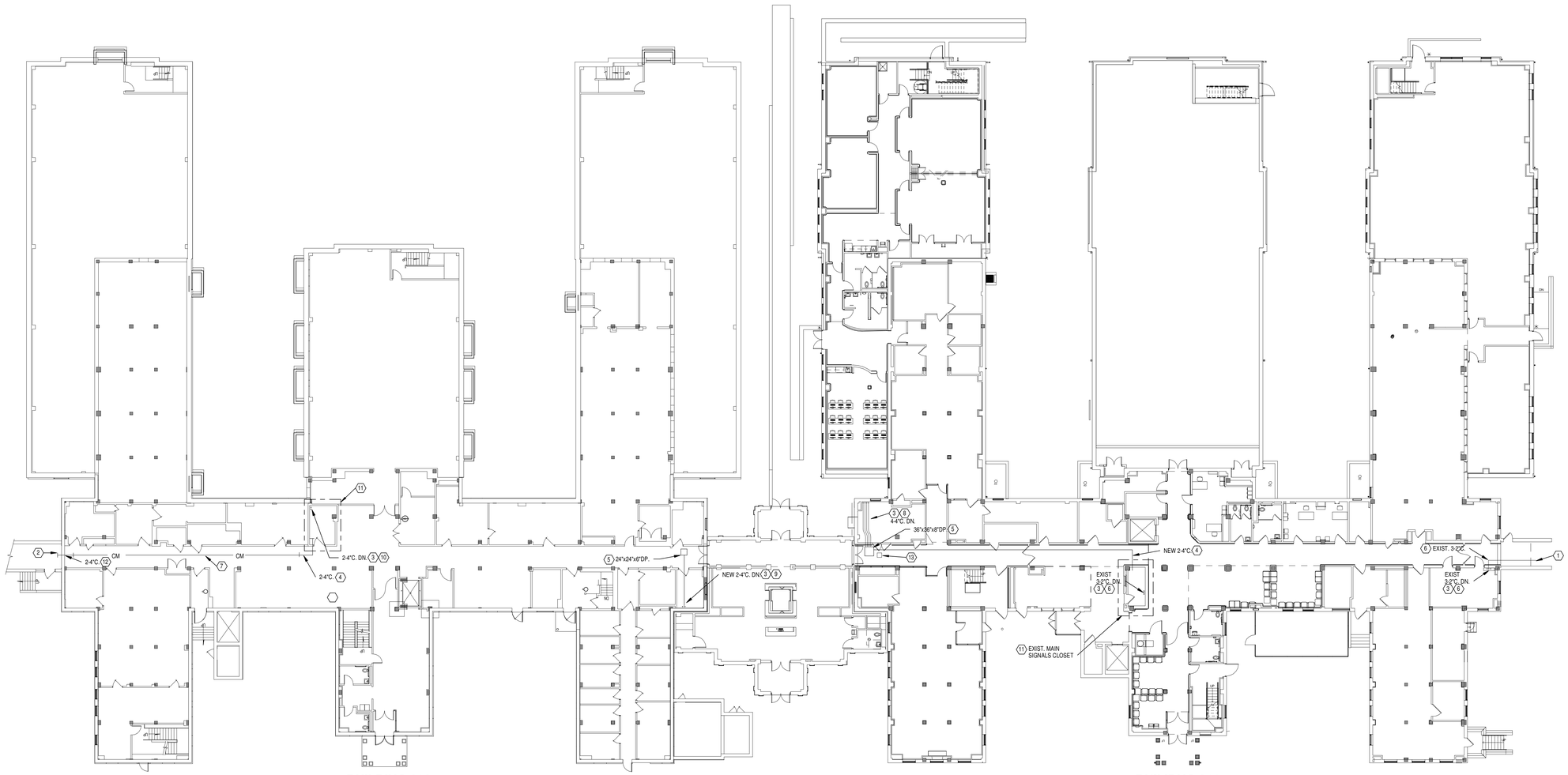
2 EXISTING CABLE CUT-OVER SHCEULDE

PLAN NOTES

1. REFER TO SHEET E701 FOR CONTINUATION
2. REFER TO SHEET E704 FOR CONTINUATION
3. REFER TO SHEET E702 FOR CONTINUATION
4. PROVIDE NEW CONDUIT SLEEVES FROM SIGNALS CLOSET TO ABOVE ACCESSIBLE CEILING.
5. PROVIDE NEW SPLICE BOX ABOVE ACCESSIBLE CEILING TO INTERCEPT EXISTING COMMUNICATIONS CABLING.
6. UTILIZE CONDUIT PATHWAY FOR NEW FIBER BACKBONE CABLING SERVING BUILDINGS 24 AND 210.
7. PROVIDE CABLE MANAGEMENT J-HOOK SYSTEM ABOVE ACCESSIBLE CEILING TO SUPPORT NEW FIBER/COPPER BACKBONE CABLING.
8. NEW CONDUIT PATHWAY FOR NEW FIBER/COPPER BACKBONE CABLING TO SERVE BUILDINGS 24 AND 210 AND FOR RE-ROUTED COMMUNICATIONS SYSTEMS CABLING BETWEEN BUILDINGS 211 AND 210.
9. NEW CONDUIT PATHWAY FOR RE-ROUTED COMMUNICATIONS CABLING BETWEEN BUILDINGS 211 AND 210.
10. NEW CONDUIT PATHWAY FOR NEW FIBER/BACKBONE CABLING SERVING BUILDINGS 210 AND 24.
11. EXISTING SIGNALS CLOSET. TERMINATE NEW VOICE BACKBONES ON NEW 110 BLOCKS AT EXISTING WALL FIELD. TERMINATE NEW FIBER BACKBONES AND RE-ROUTED FIBER BACKBONES ON NEW RACK MOUNTED TERMINATION PANELS. REFER TO SHEET E706.
12. NEW FIRE RATED CONDUIT SLEEVE ASSEMBLIES THROUGH BUILDINGS ABOVE CEILING. PROVIDE FIRE STOP AFTER CABLE INSTALLATION.
13. EXISTING FIBER SPLICE BOX.

PHASING NOTES

A. INSTALL NEW CONDUIT PATHWAYS BETWEEN BUILDINGS 211 AND 210 INCLUDING PULLBOXES, ABOVE CEILING CONDUITS, CONDUITS AND PULLBOXES IN PIPE BASEMENTS AND UNDERGROUND DUCT BANK.
B. INSTALL NEW SECTION OF COMMUNICATIONS CABLES TO BE SPLICED AS IDENTIFIED IN CABLE CUT-OVER SCHEDULE. THIS SHEET. CABLES TO BE PROVIDED WITH ADEQUATE SLACK AT EACH PULL BOX ABOVE GROUND FLOOR CEILING FOR SPLICING CONNECTIONS TO EXISTING CABLES.
C. IDENTIFY, TAG AND CONFIRM EACH EXISTING CABLE AND PREP FOR SPLICING.
D. CUT-OVER ONLY 1 CABLE AT A TIME VERIFYING PROPER TERMINATION, TESTING AND RE-ACTIVATION OF EXISTING COMMUNICATIONS CIRCUIT.
E. REMOVE UNUSED SECTIONS OF EXISTING COMMUNICATIONS CABLE BETWEEN BUILDINGS 210/211.
F. INSTALL NEW FIBER OPTIC BACKBONES FROM BUILDING 30 TO BUILDINGS 210 AND 24 UTILIZING EXISTING AND NEW CONDUIT PATHWAYS. TERMINATE NEW FIBER CABLES ON NEW RACK MOUNTED HARDWARE IN RESPECTIVE SIGNALS CLOSETS. VA TO PATCH OVER NEW FIBER STRANDS TO EXISTING SWITCHES.
G. REMOVE AND RE-DIRECT EXISTING FIBER BACKBONE CABLES AS INDICATED ON DRAWINGS.
H. INSTALL NEW VOICE MULTI-PAIR BACKBONE CABLES FROM 211 TO 210 UTILIZING NEW CONDUIT PATHWAYS AND TERMINATE ON EXISTING VOICE WALL FIELDS. VA TO CUT-OVER NEW CABLES PRIOR TO REMOVAL OF EXISTING.
I. REMOVE EXISTING VOICE MULTI-PAIR BACKBONES BETWEEN BUILDINGS 211 AND 210.



1 BUILDING 210/211 GROUND FLOOR CONNECTIONS
SCALE: 1/16" = 1'-0"

BUILDING 210

BUILIDNG 211

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: BUILDING 210/211 GROUND FLOOR CONNECTION

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JDK

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E703

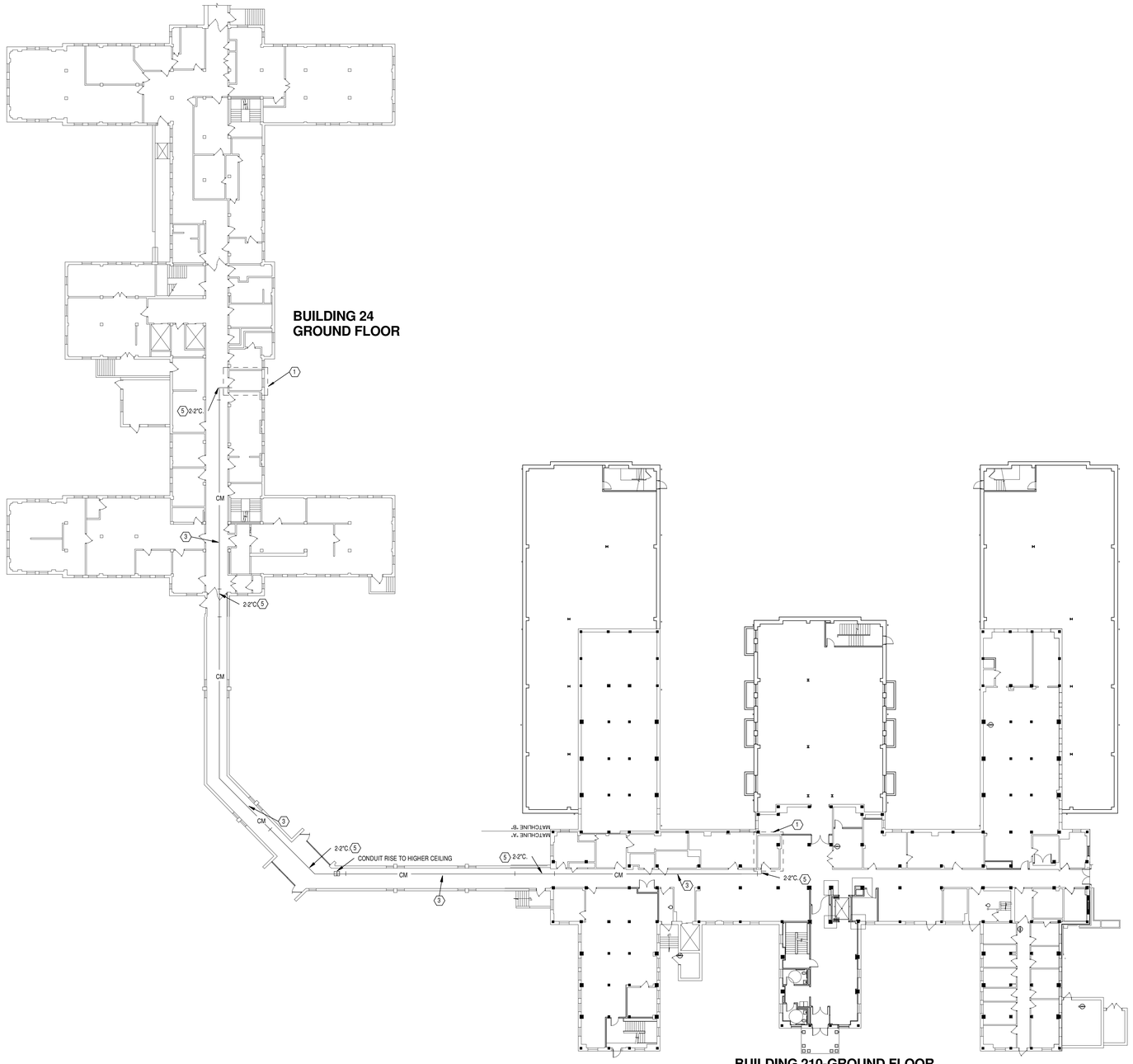
Dwg. 67 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs

PLAN NOTES

1. EXISTING SIGNALS CLOSET.
2. REFER TO SHEET E703 FOR CONTINUATION.
3. UTILIZE NEW CABLE MANAGEMENT J-HOOK SYSTEM ABOVE ACCESSIBLE CEILING FOR NEW FIBER BACKBONE CABLING.
4. PROVIDE NEW CONDUIT PATHWAY ABOVE ACCESSIBLE CEILING FOR NEW VOICE BACKBONE CABLING.
5. PROVIDE NEW FIRE RATED CONDUIT SLEEVE ASSEMBLY ABOVE ACCESSIBLE CEILING.



1 **BUILDING 210/24 GROUND FLOOR PLANS**
SCALE: 1" = 20'-0"

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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Drawing Title: BUILDING 24/210 GROUND FLOOR CONNECTION

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JDK

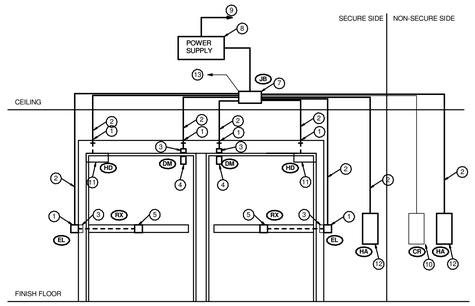
Project No.: VA Project No. 538-CSI-301; JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E704

Dwg. 68 of 70

Office of Construction and Facilities Management
Department of Veterans Affairs



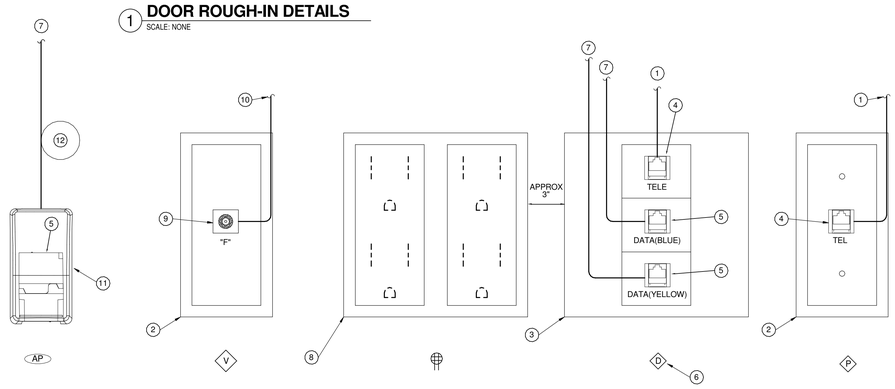
CARD READER WITH DOOR OPERATOR DOOR ROUGH-IN

DETAIL NOTES

1. PROVIDE CONDUIT CONNECTION INTO DOOR FRAME
2. PROVIDE 0.75" CONDUIT TO LOCAL SECURITY JUNCTION BOX ABOVE ACCESSIBLE CEILING.
3. PROVIDE MORTISE BOX IN FRAME FOR FUTURE SECURITY/DOOR HARDWARE EQUIPMENT AND WIRING
4. FUTURE SECURITY SYSTEM DOOR POSITION SWITCH
5. ELECTRONIC DOOR HARDWARE WITH INTEGRAL REQUEST TO EXIT
6. FUTURE MULLION MOUNTED CARD READER.
7. SECURITY SYSTEM JUNCTION BOX ABOVE ACCESSIBLE CEILING NEAR CONTROLLED DOOR.
8. LOCAL POWER SUPPLY FOR ELECTRONIC DOOR HARDWARE ABOVE ACCESSIBLE CEILING NEAR CONTROLLED DOOR
9. 120V EMERGENCY BRANCH CIRCUIT CONNECTION TO LOCAL POWER SUPPLY
10. FUTURE CARD READER AND WIRING, PROVIDE BOX AND CONDUIT.
11. HANDICAP AUTOMATIC DOOR OPERATOR.
12. WALL MOUNTED PUSHPLATE FOR HANDICAP DOOR OPERATOR INCLUDING ROUGH-IN BOX AND WIRING.
13. FUTURE SECURITY/ACCESS CONTROL SYSTEM DOOR CONTROL WIRING

1 DOOR ROUGH-IN DETAILS

SCALE: NONE



DETAIL NOTES

1 RUN TO LOCAL VOICE STATION CABLE TERMINATION EQUIPMENT.

2 1-GANG BOX. SUBSCRIPT "W" INDICATES WALL PHONE PLATE. REFER TO LEGEND FOR M.H.

3 4" SQ., 3.5" DEEP BOX WITH 1-GANG FACEPLATE.

4 UTP VOICE JACK.

5 UTP DATA JACK.

6 DEFAULT OUTLET IS 2 DATA JACKS AND 1 VOICE JACK. (2D/1V) PROVIDE ALTERNATE CONFIGURATION WHERE INDICATED ON THE DRAWINGS.

7 RUN TO LOCAL DATA STATION CABLE TERMINATION EQUIPMENT.

8 ELECTRICAL OUTLET.

9 CATV COAXIAL TYPE "F" CONNECTOR

10 CONNECT TO LOCAL CATV DISTRIBUTION EQUIPMENT.

11 SURFACE MOUNT ASSEMBLY FOR UTP DATA JACK ABOVE CEILING FOR ACCESS POINT.

12 PROVIDE 20' SLACK CABLE IN MANAGED COIL FOR FIELD RELOCATION OF DEVICE.

2 TECHNOLOGY OUTLET DETAILS

SCALE: NONE

FULLY SPRINKLERED

Revisions	Date

CONSULTANTS:

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PROJECT NO.: 2012-04016 FIRM LICENSE NO.: 01528

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Drawing Title: TECHNOLOGY DETAILS

Approved: Project Director

Project Title: CLC Common Area Connector

Location: Chillicothe, Ohio

Date: NOVEMBER 13, 2013 | Checked: MSG | Drawn: JDK

Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

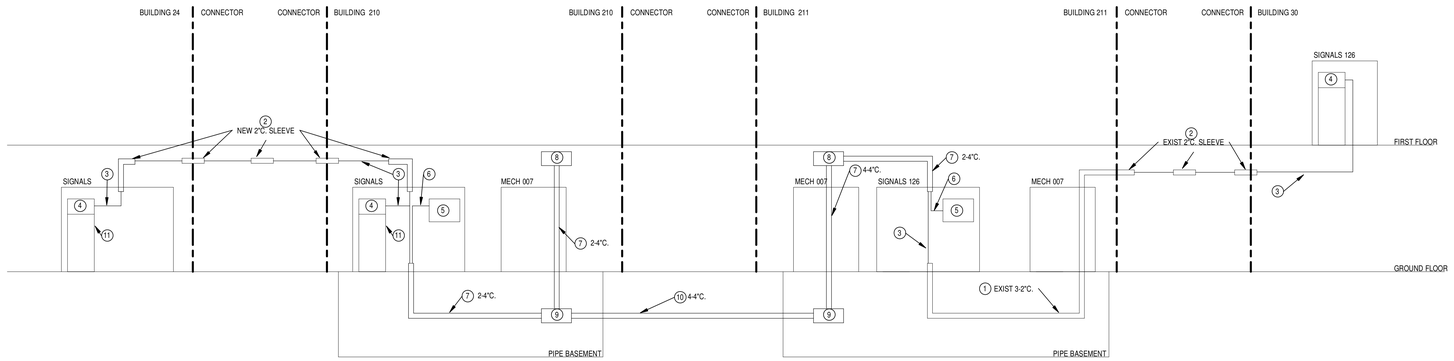
Building Number: 210/211

Drawing Number: E705

Dwg. 69 of 70

Office of Construction and Facilities Management

Department of Veterans Affairs



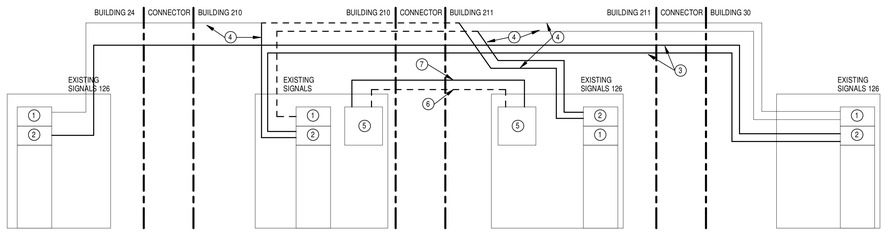
NOTE: THIS DETAIL REPRESENTS THE SCHEMATIC INTERCONNECTION OF THE CABLING SYSTEMS AND DOES NOT INDICATE PHYSICAL ROUTING. REFER TO RISER DIAGRAM THIS SHEET FOR PHYSICAL ROUTING INFORMATION.

1 VOICE/DATA BACKBONE RISER DIAGRAM

SCALE: NONE

DETAIL NOTES

1. UTILIZE EXISTING 2-2" CONDUITS FOR NEW FIBER BACKBONES. REMOVE EXISTING PRIOR TO INSTALLATION.
2. UTILIZE EXISTING CONDUIT SLEEVES FOR NEW FIBER BACKBONE.
3. NEW ARMORED FIBER BACKBONES TO BUILDINGS 210 (1-12 STRAND SM FIBER) AND 24 (1-12 STRAND SM FIBER).
4. PROVIDE NEW RACK MOUNTED FIBER TERMINATION CABINET FOR NEW FIBER BACKBONES. VA TO PATCH INTO EXISTING RACK MOUNTED FIBER TERMINATION EQUIPMENT.
5. EXISTING VOICE WALL FIELD. RE-CONNECT NEW VOICE BACKBONE.
6. NEW 300 PAIR COPPER BACKBONE FROM 211 TO 210.
7. PROVIDE NEW CONDUITS.
8. PROVIDE NEW PULL/JUNCTION/SPLICE BOX ABOVE CEILING FOR SPLICING OF EXISTING COMMUNICATIONS CABLING AND ROUTING OF NEW COMMUNICATIONS CABLING.
9. PROVIDE NEW PULL BOX IN PIPE BASEMENT.
10. PROVIDE NEW UNDERGROUND COMMUNICATIONS DUCT BANK.
11. EXISTING DATA RACK.



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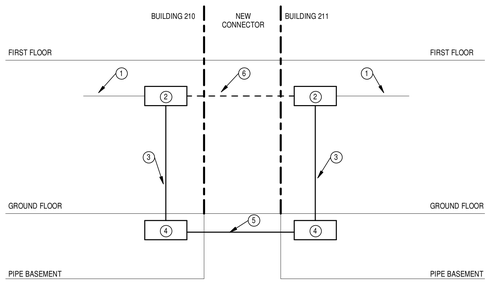
2 VOICE/DATA BACKBONE SCHEMATIC

SCALE: NONE

DETAIL NOTES

1. EXISTING RACK MOUNTED FIBER TERMINATION CABINET.
2. PROVIDE NEW RACK MOUNTED FIBER TERMINATION CABINET. UTILIZE "ST" COUPLERS.
3. NEW 12 STRAND SM ARMORED PLENUM RATED FIBER BACKBONE.
4. EXISTING FIBER BACKBONE TO BE RE-ROUTED AS INDICATED AND RE-TERMINATED ON NEW RACK MOUNTED FIBER TERMINATION CABINET.
5. EXISTING WALL FIELD. PROVIDE NEW 110 BLOCKS ADJACENT TO EXISTING FOR TERMINATION OF NEW CABLING. VA TO CUT-OVER NEW CABLES PRIOR TO REMOVAL OF EXISTING.
6. REMOVE EXISTING VOICE BACKBONE
7. PROVIDE NEW (2) 200 PAIR PLENUM RATED VOICE BACKBONE.



DETAIL NOTES

1. EXISTING COMMUNICATIONS CABLING ABOVE CEILING. INTERCEPT WITH NEW SYSTEM SPLICE BOX. REFER TO CABLE CUT-OVER SCHEDULE SHEET E703.
2. NEW CABLE SPLICE BOX PROVIDED ABOVE CEILING.
3. EXTEND NEW SEGMENTS OF COMMUNICATIONS CABLING IN NEW 4" CONDUIT.
4. NEW PULL BOX IN PIPE BASEMENT
5. NEW UNDERGROUND SECTION OF DUCT BANK WITH NEW SEGMENTS OF COMMUNICATIONS CABLING.
6. REMOVE EXISTING SEGMENT OF COMMUNICATIONS CABLING AFTER ALL CIRCUITS HAVE BEEN RE-ROUTED AND MADE ACTIVE.

3 EXISTING COMMUNICATIONS CABLING RELOCATION SCHEMATIC

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

FULLY SPRINKLERED

Revisions	Date

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Drawing Title: TECHNOLOGY CABLING DIAGRAMS

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Project No. VA Project No. 538-CSI-301 JPA Project No. 12019.00

Building Number: 210/211

Drawing Number: E706

Dwg. 70 of 70

Office of Construction and Facilities Management

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