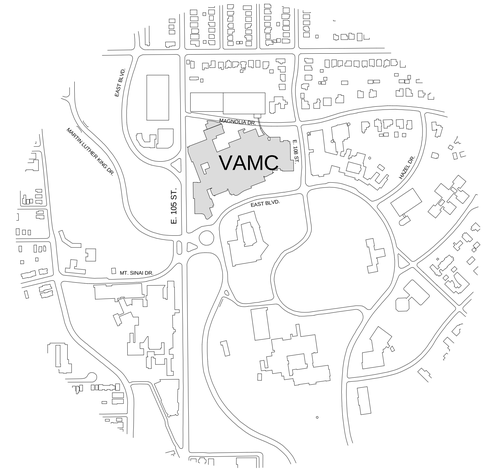
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER - WADE PARK

10701 EAST BLVD. CLEVELAND, OH. 44106

SCI OUTPATIENT CLINIC ADDITION

PROJECT NO. 541-CSI-102

Veterans Administration Medical Center



VICINITY PLAN

Scale = None

ARCH JOB NO.: 14.045

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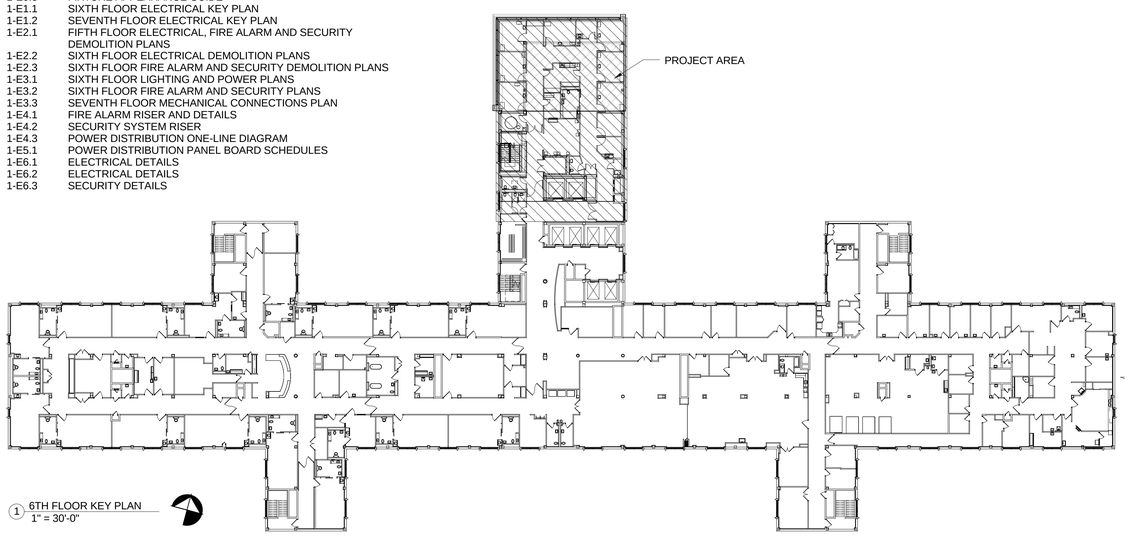
Bid Issue
February 23, 2015



1 6TH FLOOR KEY PLAN
1" = 30'-0"

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FULLY SPRINKLERED

APPROVALS	DATE	APPROVALS	DATE	APPROVALS	DATE
DIRECTOR 00		CHIEF Planning and Construction		FACILITY MANAGER	
ASSOCIATE DIRECTOR 00A (B)		CHIEF, Occupational Health & Safety		SHOP FOREMAN 138	
CHIEF, ENGINEERING 138		CHIEF, IRM			

Drawing Title: **COVER SHEET, SIXTH FLOOR KEY PLAN**

Approved: Division Chief

Approved: Service Director

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Building Number: 1 | Checked: MS | Drawn: BG

Location: 10701 EAST BLVD. CLEVELAND OHIO

Date: 02/23/2015

Project No.: 541-CSI-102

DRAWING NO.: 1-X1

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Office of Facilities Management

Department of Veterans Affairs

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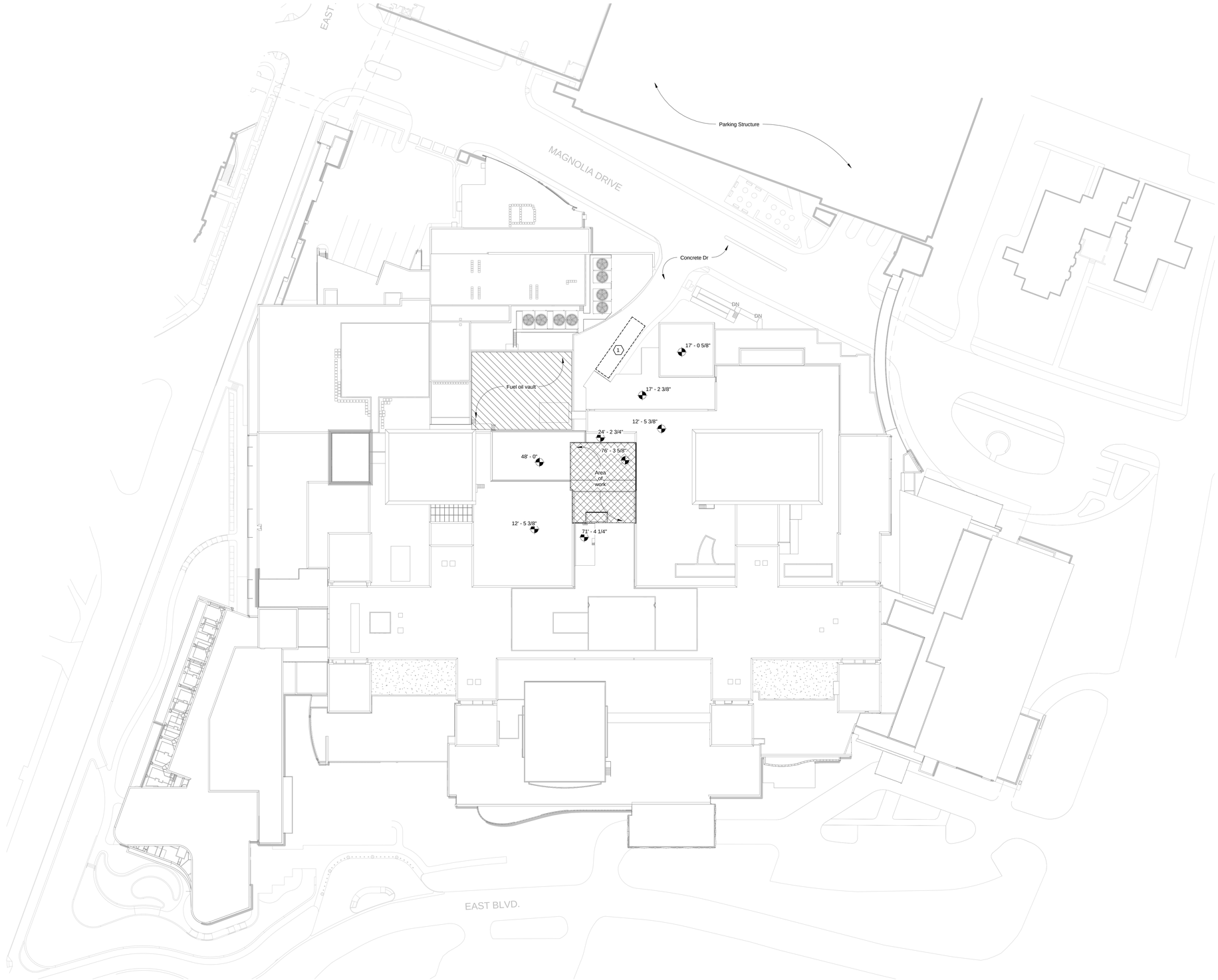

1 EXISTING SITE PLAN

0 20' 40' 80'

Scale 1" = 40'-0"

EXISTING SITE PLAN CODED NOTES

1 Existing loading dock, to be maintained for owner use

Hatched area represents fuel oil vault with an approximate uniform load of 300 PSF. Contractor to verify loading capacity in Rigging Plan.

Elevation benchmarks taken from existing First Floor elevation.

RIGGING PLAN

Contractor shall submit a Rigging Plan to VA COR for approval. Plan shall comply with OSHA 1926 and include the following items as a minimum:

- Crane location
- Date, start time and end time
- Crane site / load calculations
- Crane swing and rigging path
- Barricades required
- Roof protection
- Rigging fly zone drawing
- Emergency contact list

The Contractor may NOT proceed until they have an approved plan by the VA.

ROOF PROTECTION: Contractor shall provide minimum ½" plywood over 2 inch rigid board insulation to protect the roof areas adjacent to and below the Work area from falling debris. Provide a plan for review and approval.

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
EXISTING SITE PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date	Checked	Drawn
02/23/2015	MS	BG

Project Number
541-CSI-102

Building Number
1

Drawing Number
1-X2
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Department of Veterans Affairs

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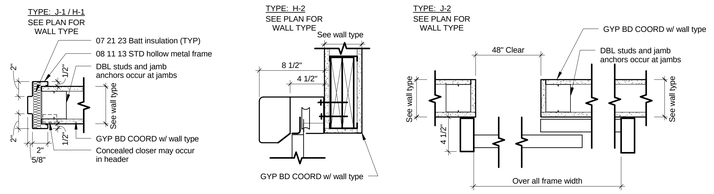
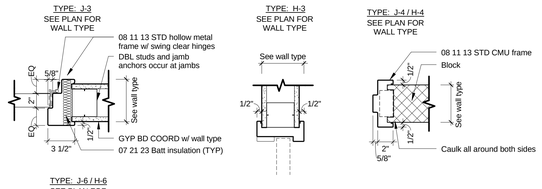
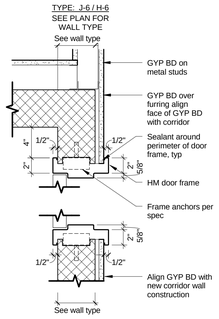
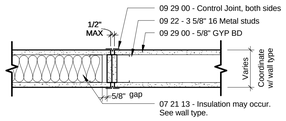






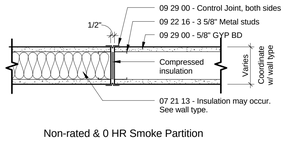


1 HR Rated Partition

TYP of all control joints located in rated wall assemblies

3 FIRE RESISTANT CONTROL JOINT

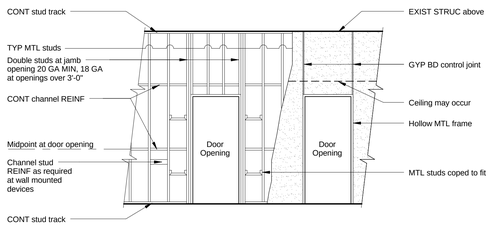
Scale 1 1/2" = 1'-0"



Non-rated & 0 HR Smoke Partition

2 TYP GYP BD CONTROL JOINT

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



1 TYP GYP BD DETAIL

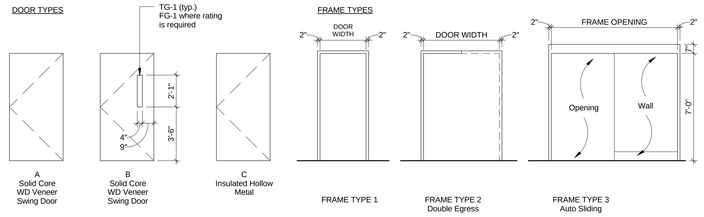
Scale 1/4" = 1'-0"

DOOR SCHEDULE

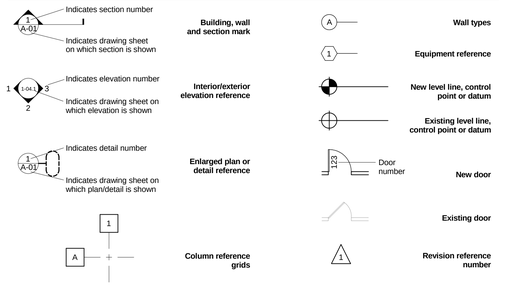
DOOR Mark	Width	DOOR Height	DOOR Type	DOOR Fire Rating	FRAME Material	FRAME Frame Type	FRAME Jamb	FRAME Head	Comments
6C-100C	3' - 10"	7' - 0"	B	20 MIN	HM	Type 2	J-3	H-3	6, 7, Pair
6C-100D	7' - 0"	7' - 0"	B		HM	Type 1	J-1	H-1	3, 6, 9 Pair
6C-100H	8' - 0"	7' - 0"	B	20 MIN	HM	Type 1	J-1	H-1	3, 6, 9 Pair
6C-111	3' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	8
6C-112	3' - 0"	7' - 0"	A	20 MIN	HM	Type 1	J-1	H-1	6
6C-120	6' - 0"	7' - 0"	C		HM	Type 1	Sim J-6	Sim J-6	5, 6 Pair
6C-122	3' - 6"	7' - 0"	A		HM	Type 1	J-1	H-1	9
6C-123	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-124	3' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	9
6C-125A	3' - 0"	7' - 0"	B		HM	Type 1	J-1	H-1	9
6C-125B	3' - 0"	7' - 0"	B		HM	Type 1	J-1	H-1	9
6C-126	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-127	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-129	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-130	3' - 0"	7' - 0"	A	45 MIN	HM	Type 1	J-1	H-1	6
6C-131	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-132	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-133	4' - 0"	7' - 0"	A		Alum	Type 3	J-2	H-2	3, 4, 10
6C-134	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-135	4' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	9
6C-136	4' - 0"	7' - 0"	A	45 MIN	HM	Type 1	J-1	H-1	6, 9
6C-137	3' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	
6C-138	5' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	Pair
6C-139	3' - 0"	7' - 0"	A		HM	Type 1	J-1	H-1	9
6D-S1	3' - 8"	7' - 0"	B	90 MIN	HM	Type 1	J-6	Sim J-6	6
7C-109	6' - 0"	7' - 0"	C	90 MIN	HM	Type 1	Sim J-4	Sim H-4	5, 6

DOOR SCHEDULE GENERAL NOTES:

1. See Specification 08 14 00 for door finishes.
2. See Specification 08 71 00 for door hardware.
3. Provide automatic door operator. See Electrical drawings.
4. Occupancy indicator
5. Weather stripping and threshold
6. Closer
7. Magnetic hold-open closer (tied to fire alarm)
8. Alternate 1
9. Card reader and electrified lockset coordinate w/ Electrical drawings.
10. Package to include: header, frame, narrow stile door and partial panel, pull handle, recessed finger pull, setting blocks for weatherstripping, heavy-duty full size industrial carrier wheels and track assembly, hinged cover, breakout beams, sensors (touchless activation switches, jamb mounted) 3 position switch (open, auto, closed)



SYMBOLS



ABBREVIATIONS

AB	anchor bolt
ABV	above
A/C	air conditioning
ACOUS	acoustic(al)
ACT	acoustical ceiling tile
ADJ	adjacent
AFF	above finish floor
ALT	alternate
ALUM	aluminum
ANOD	anodized
APPROX	approximate
ARCH	architect(ural)
AUTO	automatic
BD	board
BETW	between
BLDG	building
BLK	block(ing)
BLKHD	bulkhead
BM	beam
BOT	bottom
BRDG	bridging
BRG	bearing
BRK	brick
BSMT	basement
BUR	built-up roofing
C/C	center to center
CABT	cabinet
CAD	cadmium
CB	catch basin
CEM	cement
C.L. or ℄	center line
CFM	cubic feet per minute
CG	corner guard
CI	cast iron
CJ	control joint
CLG	ceiling
CL	closet
CLR	clear
CLL	contract limit line
CNTR	counter
CMU	concrete masonry unit
CO	cased opening/clean out
COL	column
CONC	concrete
CONN	connection
CONST	construction
CONT	continuous
COORD	coordinate
CORR	corridor
CR	course
CTR	center
D	depth
DBL	double
DEG	degree
DEMO	demolition
DIA	diameter
DIM	dimension
DISP	dispenser
DN	down
DR	door
DS	down spout
DET	detail
DWG	drawing
DWR	drawer
DW	drywall
EA	each
EC	electrical contractor
EIFS	exterior insulation and finish system
EJ	expansion joint
ELEC	electric
ELEV	elevator/elevation
EMERG	emergency
EQ	equal
EQUIP	equipment
ES	exposed structure
ETR	existing to remain
EW	each way
EWC	electric water cooler
EXH	exhaust
EXIST	existing
EXP	expansion
EXPD	exposed
EXT	exterior
FA	fire alarm
FB	face brick
FCU	fan coil unit
F/F	face to face
FD	floor drain
FDN	foundation
FE	fire extinguisher
FEC	fire extinguisher cabinet
FHC	fire hose cabinet
FIN	finish
FLR	floor
FLUOR	fluorescent
FR	fire resistant
FRT	fire-retardant treated
FRTWD	fire-retardant treated wood
FT	feet
FTG	footing
FURR	furring
FVC	fire valve cabinet
GA	gauge
GALV	galvanized
GC	general contractor
GL	glass
GR	grade
GYP BD	gypsum board
H	high
HB	hose bibb
HC	hollow core
HDBD	hardboard
HDCPD	handicapped
HDWR	hardware
HDWD	hardwood
HM	hollow metal
HORIZ	horizontal
HPDL	high pressure decorative laminate
HR	hour
HT	height
HTG	heating
HTR	heater
HVAC	heating, ventilation air conditioning
HW	hot water
WH	water heater
ID	inside diameter
IN	inch
INCL	include (inclusive)
INSUL	insulation
INT	interior
JAN	janitor
JST	joint
KD	knock down
KO	knock out
L	length (long)
LAM	laminate(d)
LAV	lavatory
LB	pound
LF	linear feet (foot)
LIM	limited
LT	light
LTG	lighting
LVR	louver
MARB	marble
MAS	masonry
MAT	material
MAX	maximum
MECH	mechanical
MEMB	membrane
MFR	manufacturer
MH	manhole
MIN	minimum
MISC	miscellaneous
MO	masonry opening
MTD	mounted
MTG	mounting
MTL	metal
MULL	mullion
N/A	not applicable
NIC	not in contract
NO	number
NOM	nominal
NTS	not to scale
OA	overall
OC	on center
OCAFF	on center above finish floor
OD	outside diameter
OHDR	overhead door
OH	opposite hand
OHD	overhead drain
OJ	out to out
OP'G	opening
OPP	opposite
OPT	optional
PBD	particle board
PCF	pounds per cubic foot
PERIM	perimeter
PG BD	peg board
PL	plate
PLAS	plastic laminate
PLAM	plumbing
PLBG	premoulded
PNLD	panel
PLYD	plywood
PT'KWD	patterned
POL	push plate
PR	pair
PR	prefinished
PREFIN	prefabricated
PREFAB	projection
PROJ	pre-stress concrete
PSC	pounds per square foot
PSF	pounds per square inch
PSI	point
PT	painted
PTD	partition
PTN	polyvinylchloride
PVC	pavement
PVMT	
QTY	quantity
R	riser
RA	return air
RAD	radius
RAG	return air grille
RD	roof drain
REC	receptacle
REF	refrigerator
REG	register
REINF	reinforcement (reinforcing)
REQ'D	required
RES	resilient
RET	return
REV	reversed (revision)
RM	room
RO	rough opening
RVS	reverse
SC	solid core
SCHED	schedule
SD	smoke detector
SDL	saddle
SECT	section
SHT	sheet
SIM	similar
SP	stand pipe
SPEC	specifications
SPKR	speaker
SPNLR	sprinkler
SPR	single ply roofing
SQ	square
SQ IN	square inch
SY	square yard
SS	stainless steel/ slop sink
STD	standard
STL	steel
STOR	storage
STRUC	structure(al)
SUCP	suspended
SYS	systems
T	thread
T&G or T&G	tongue and groove
TD	trench drain
TEL	telephone
TEMP	temporary
TEMP'D	tempered
THRES	threshold
THK	thick
THLD	threshold
TOC	top of concrete (top of curb)
TOS	top of steel
TOD	top of deck
TOM	top of masonry
TOJ	top of joist
TOP	top of parapet
TOW	top of wall
TYP	typical
UC	undercut
UG	underground
UNFIN	unfinished
UNLM	unlimited
UNO	unless noted otherwise
UR	urinal
VERT	vertical
VEST	vestibule
VIF	verify in field
W	width
W/	with
W/O	without
WSW	wall to wall
WC	water closet
WD	wood
WH	water heater
WIN	window
WG	wire glass
WT	weight
WWF	welded wire fabric
YD	yard

TOILET ACCESSORY SCHEDULE

ROOM NUMBER		ACCESSORIES																					
	Provided by	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	VA	CON	CON	VA	CON	CON	CON	CON	CON	CON	CON	CON
	Installed by	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	VA	CON	CON	VA	CON	CON	CON	CON	CON	CON	CON	CON
	ROOM NAME	PTD-1	PTD-2	TTD-1	TTD-2	GB-18	GB-36	GB-36V	GB-42	GB-60	HHD-1	HS-1	RH-1	FM-1	SD-1	TSC-1	SND-1	MR-1	CTW-1	SH-1	TB-1	SCR-1	SDH-1
6C-111	Toilet			2		1	1		1		1	1	2	1	1	2	2		1				
6C-112	Toilet			1		1	1		1		1	1	1	1	1	1			1				
Typical (7)	Exam	1										1	1	1	1								
6C-125	Nurse		1									1			1								
6C-128	Charting											1											
6C-130	Soiled Holding		1									1			1								
6C-133	PAT Toilet				1			1	1	2		2	2	2	2	1	1		1	1	1	1	2
6C-136	Sterile Supply		1									1			1								
6C-137	Staff Toilet			1		1	1		1		1	1	2	1	1	1	1		1				
6C-139	EMS																	1					

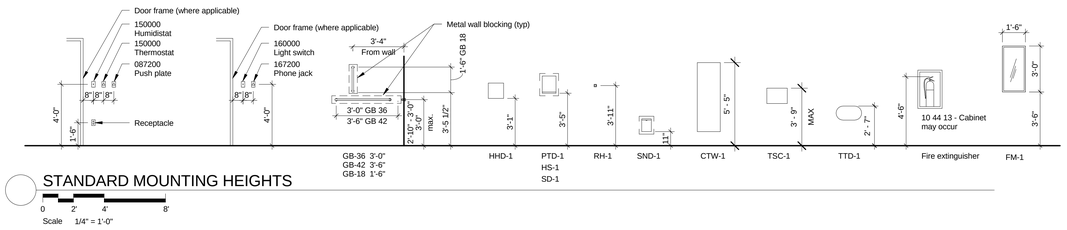
GENERAL NOTES:

1. Provide manufacturer's required blocking for installation of accessories.
2. Install Robe Hook (RH-1) in all offices and in exam rooms centered horizontally on wall behind door, and on toilet room doors (112 and 137) and on all toilet partition doors.
3. All toilet accessories to be furnished installed by contractor, except Soap Dispenser (SD-1), Hand sanitizer Dispenser (HS-1) and Paper Towel Dispenser (PTD-2) which shall be provided by VAMC.

TOILET ACCESSORY LEGEND:

CTW-1	Combination Paper Towel/Waste Receptacle
FM-1	Metal Framed Mirror
GB-18	Grab Bar (18")
GB-36	Grab Bar (36")
GB-36V	Grab Bar (36" vertical swing)
GB-42	Grab Bar (42")
GB-60	Grab Bar (60")
HHD-1	High Speed Hand Dryer
HS-1	Hand Sanitizer Dispenser
MR-1	Mop rack
PTD-1	Paper Towel Dispenser
PTD-2	Paper Towel Dispenser
RH-1	Robe Hook
SCR-1	Shower Curtain Rod
SD-1	Soap Dispenser
SDH-1	Soap Dish
SH-1	Shelf (24")
SND-1	Sanitary Napkin Disposal
TB-1	Towel Bar
TSC-1	Toilet Seat Cover Dispenser
TTD-1	Toilet Tissue Dispenser
TTD-2	Toilet Tissue Dispenser

Upon the acceptance of Deduct Alternate 1:
Delete the work associated with the demolition and build out of Toilet Rooms 6C-111 and 6C-112. Contractor to provide new corridor wall/construction required to provide Corridor 6C-100D



STANDARD MOUNTING HEIGHTS

Scale 1/4" = 1'-0"

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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REGISTERED ARCHITECT — STATE OF OHIO — WILLIAM C. AYARS 7259

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Drawing Title: **SYMBOLS, ABBREVIATIONS AND SCHEDULES**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

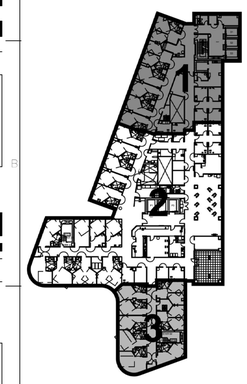
Drawing Number: **1-01**

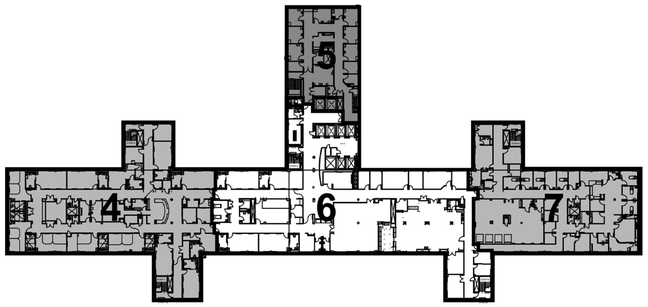
Dwg. of

Office of Facilities Management

Department of Veterans Affairs

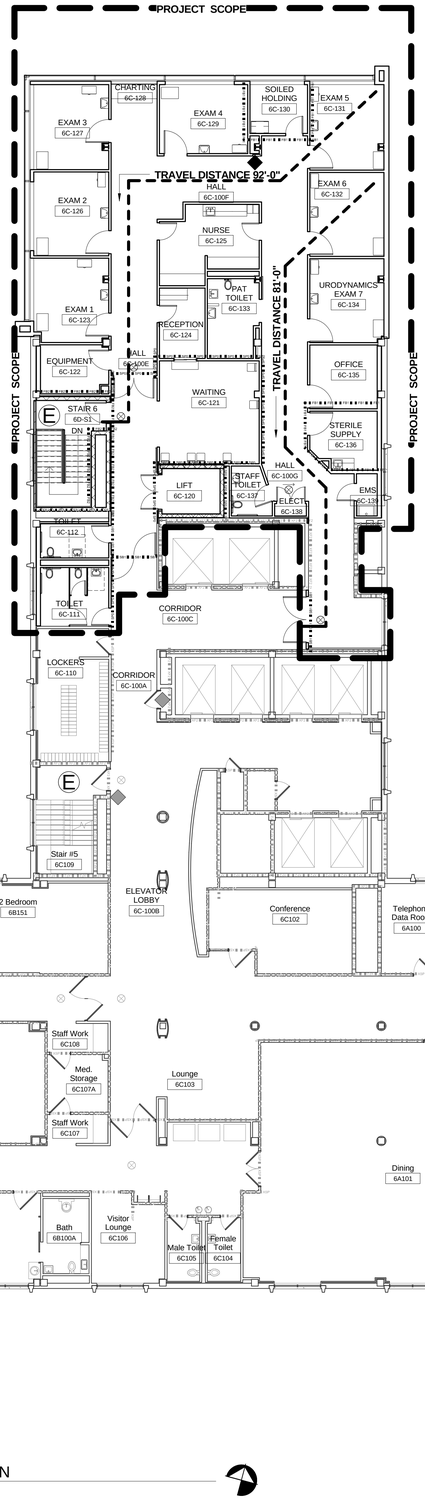
VA FORM 08-6231, OCT 1978

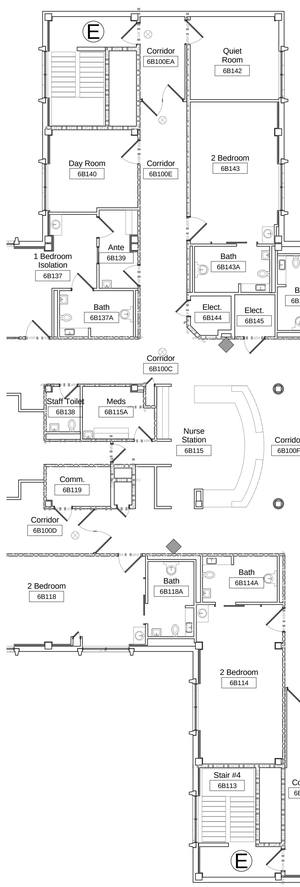


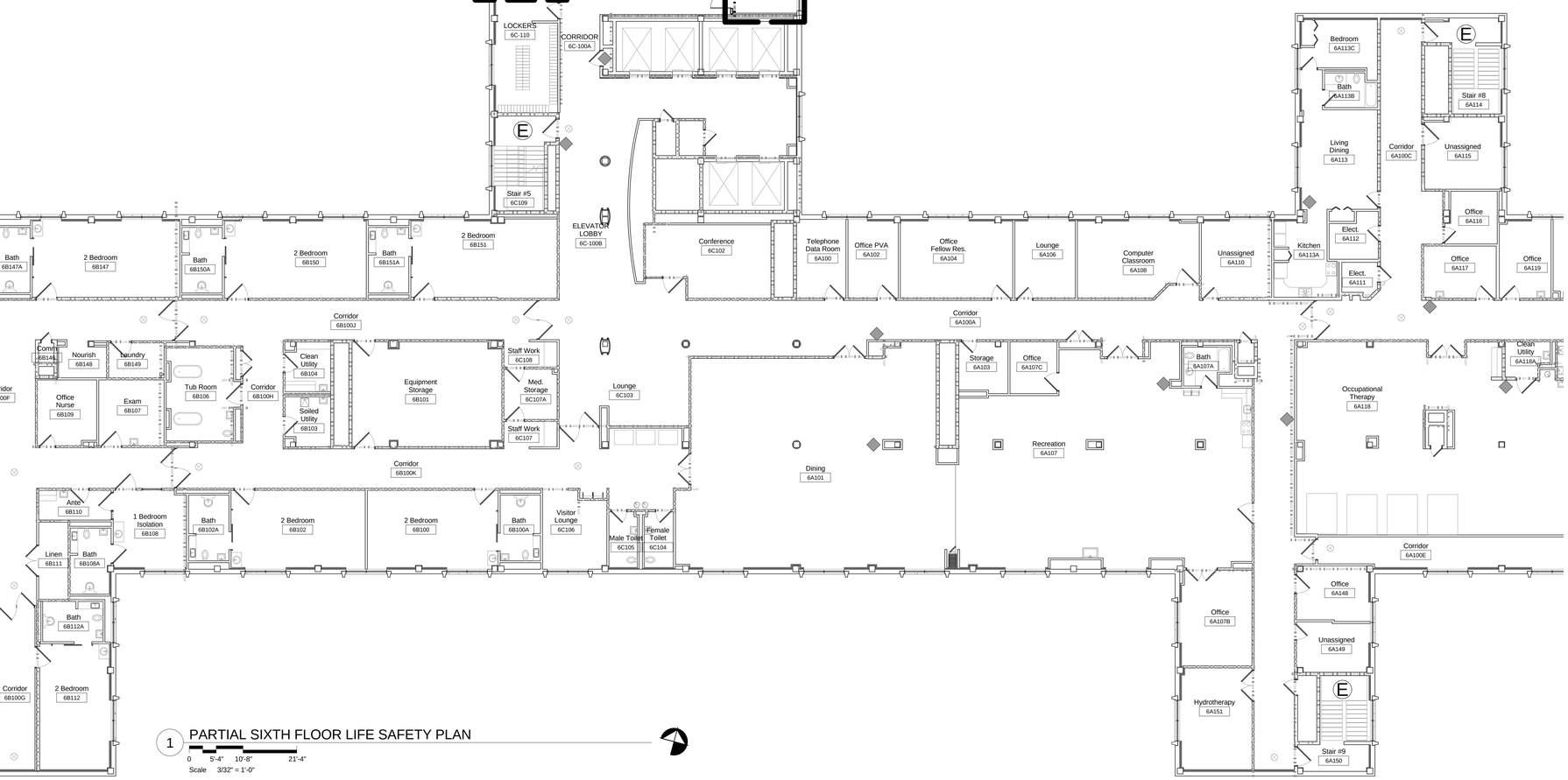


Existing Sixth FloorSmoke Compartment Legend

#	SF
1	7,734
2	16,962
3	4,233
4	16,318
5	5,686
6	20,753
7	12,162



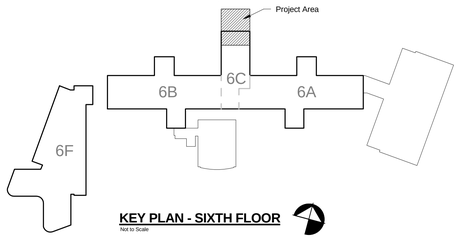




1 PARTIAL SIXTH FLOOR LIFE SAFETY PLAN

0 5'-4" 10'-8" 21'-4"

Scale 3/32" = 1'-0"



KEY PLAN - SIXTH FLOOR

Not to Scale

LIFE SAFETY LEGEND

- New 2 HR Fire Barrier
- Existing 2 HR Fire Barrier
- New 1 HR Fire Barrier
- New 0 HR Smoke Partition
- Existing 0 HR Smoke Partition
- New 1.5 HR Fire Barrier
- Existing Fire Extinguisher
- New Fire Extinguisher
- Exit
- Existing Exit Sign
- New Exit Sign

LIFE SAFETY GENERAL NOTES

1. Contractor shall inform Architect and Owner immediately of any discrepancies in the existing rated wall construction and non-conforming penetrations.

2. Project scope line is indicated for general intent only. Contractor will complete all work regardless if it is located outside of project scope area as indicated on any drawing.

3. Travel distances are from remote point to exit.

4. Provide firestopping at all penetrations through new and existing fire/smoke rated barriers (walls, floors and roofs) to comply with required rating associated with new work. Provide firestopping around 12 penetrations less than 16 square inches, 10 penetrations between 16 and 36 square inches, and 8 penetrations between 36 and 64 square inches through existing fire/smoke rated barriers (walls and floors) to comply with required rating not associated with new work. Larger openings shall be brought to the immediate attention of the COR

ASSEMBLIES

FLOOR : 3-1/2" LW Concrete 2" composite metal deck = 5-1/2" total 2HR: Spray fireproofing on steel - interior and exterior UL D916
ROOF: Spray fireproofing on roof deck and steel UL P723
COLUMNS: Spray fireproofing on columns, interior and exterior UL X790
Steel intumescent paint: WB4 (Coordinate with alternate 2)

CODE INFORMATION

ADDITION AREA: 2,790 SF
RENOVATIONS AREA: 2,486 SF
TOTAL PROJECT AREA: 5,276 SF

DESIGN CODES:
2012 Life Safety Code, ABA Accessibility Standards, 2011 IBC
OCCUPANCY USE GROUP: Healthcare, I-2
OCCUPANT LOAD (LSC 7.3.1.2)
Waiting: (310nsf / 15sf / occ) = 21
Ambulatory Health Care:
(5,276gsf - 310 nsf /100 gsf) = 50
Totall Occupant Load = 71
FIRE SUPPRESSION: Fully Sprinklered
TRAVEL DISTANCES: (LSC 18.2.6)
Room Remote Point to Exit: 200'
(LSC 18.2.6.2.1)
Suite Remote Point to Exit Access Door
(LSC 18.2.5.7.3.4) : 100'
Suite Remote Point to Exit: 200'
(LSC 18.2.5.7.3.4)
TYPE OF CONSTRUCTION: (LSC A.8.2.1.2)
Type 1 - 332
EXTERIOR BEARING WALLS: (LSC A.8.2.1.2)
3 Hours
INTERIOR BEARING WALLS: (LSC A.8.2.1.2)
3 Hours
STRUCTURAL COLUMNS: (LSC A.8.2.1.2)
3 Hours - Supporting more than 1 floor
2 Hours - Supporting one floor only
2 Hours - Supporting roof only
FLOOR - CEILING ASSEMBLIES: (LSC A.8.2.1.2)
2 Hours UL D916
ROOF - CEILING ASSEMBLIES: (LSC A.8.2.1.2)
1 1/2 Hours
INTERIOR NONBEARING WALLS: (LSC A.8.2.1.2)
0 Hour
EXTERIOR NONBEARING WALLS: (LSC A.8.2.1.2)
0 Hour
EXIT ENCLOSURES (LSC 7.1.3.2.1)
Existing: 1 Hour
New: 2 Hours
SHAFT ENCLOSURES (LSC 8.6.5)
4 Stories or more: 2 Hours
Less than 4 stories: 1 Hour
SMOKE BARRIERS: (LSC 18.3.7.3)
1 Hour
EXIT ACCESS CORRIDORS: (LSC 18.3.6.2.2)
0 Hour, Smoke Partitions
SUITE WALLS: (18.2.5.7.1.2)
0 Hour, Smoke Partitions
HAZARDOUS AREA PROTECTION (LSC 18.3.2.1)
Labs, non-severe hazard materials: 0 Hour
Labs, severe hazard materials: 1 Hour
Soiled linen rooms >64 gal.: 1 Hour
Storage rooms larger than 100 sf: 1 Hour

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PARTIAL SIXTH FLOOR LIFE SAFETY PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-01.1**

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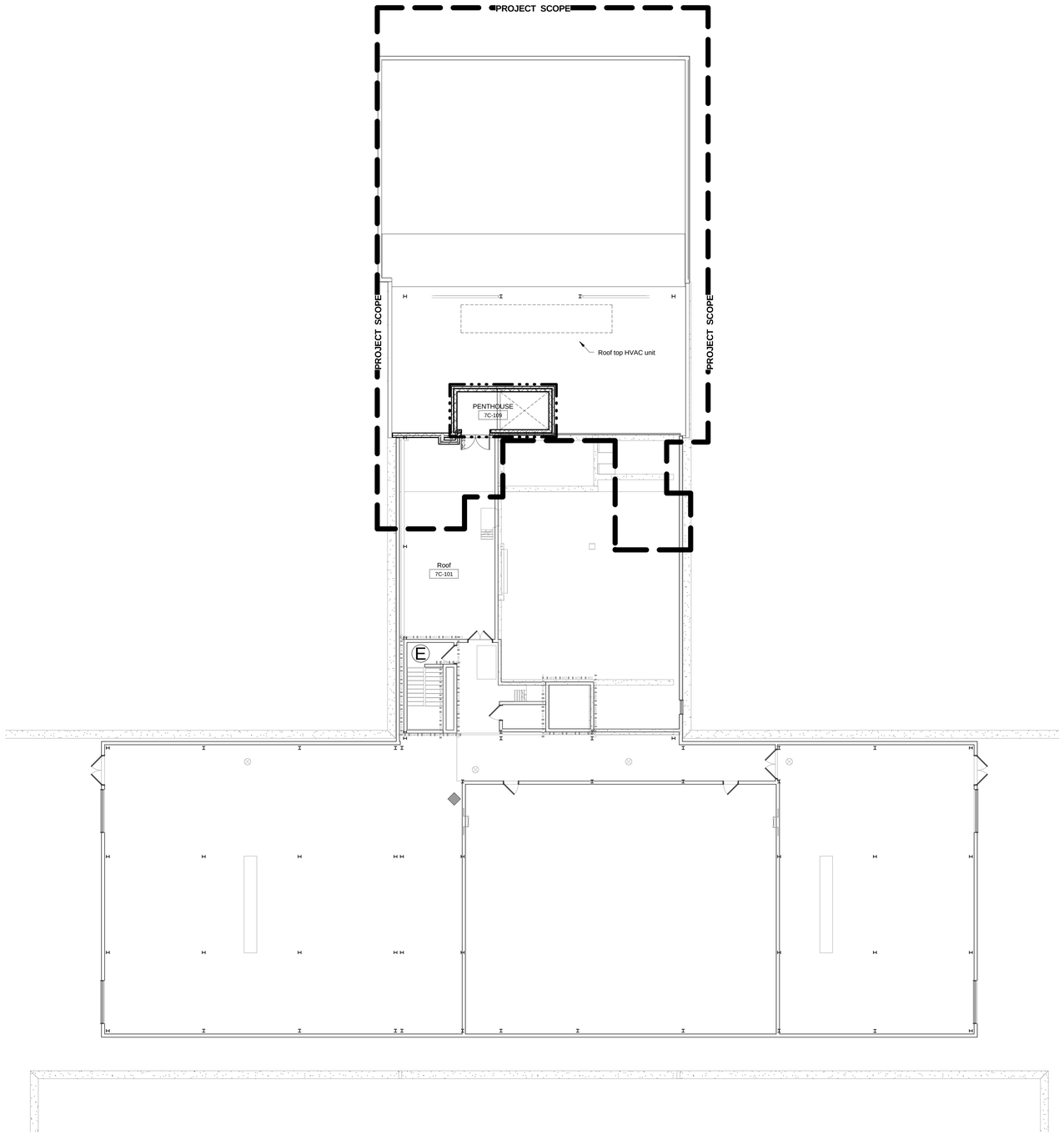
Office of Facilities Management

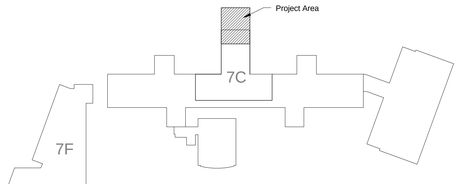
Department of Veterans Affairs



1 PARTIAL SEVENTH FLOOR LIFE SAFETY PLAN

0 8' 16' 32'

Scale 3/32" = 1'-0"



KEY PLAN - SEVENTH FLOOR

Not to Scale

LIFE SAFETY LEGEND

- New 2 HR Fire Barrier
- Existing 2 HR Fire Barrier
- New 1 HR Fire Barrier
- New 0 HR Smoke Partition
- Existing 0 HR Smoke Partition
- New 1.5 HR Fire Barrier
- Existing Fire Extinguisher
- New Fire Extinguisher
- Exit
- Existing Exit Sign
- New Exit Sign

LIFE SAFETY GENERAL NOTES

1. Contractor shall inform Architect and Owner immediately of any discrepancies in the existing rated wall construction and non-conforming penetrations.

2. Project scope line is indicated for general intent only. Contractor will complete all work regardless if it is located outside of project scope area as indicated on any drawing.

FULLY SPRINKLERED

Revisions:	Date
BID ISSUE	02/23/15

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Drawing Title: **PARTIAL SEVENTH FLOOR LIFE SAFETY PLAN**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-01.2**

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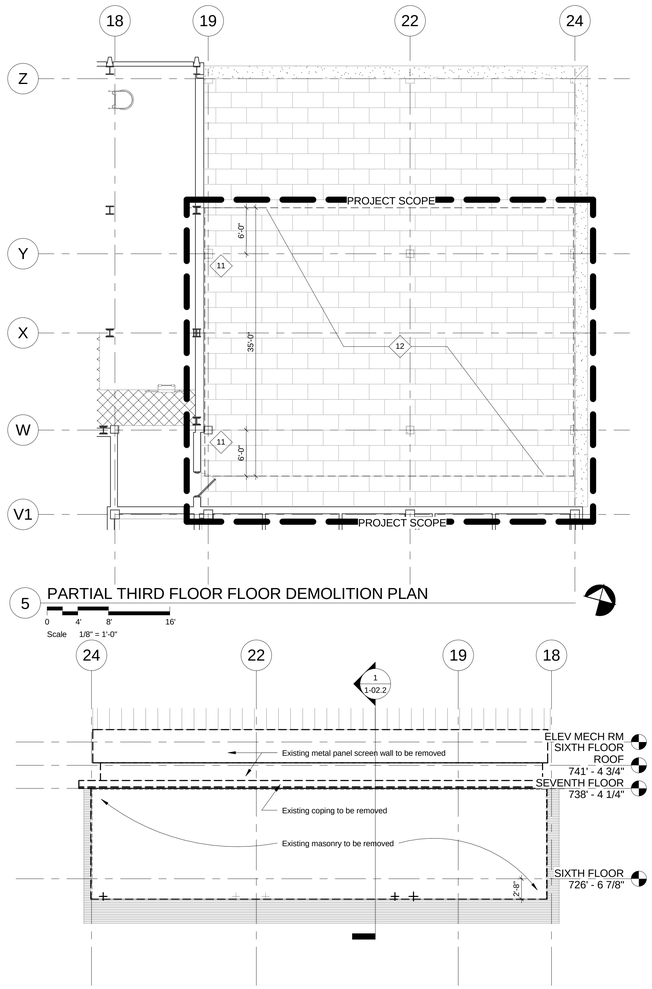
Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

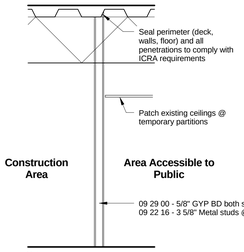


5 PARTIAL THIRD FLOOR FLOOR DEMOLITION PLAN

Scale 1/8" = 1'-0"

4 DEMOLITION ELEVATION

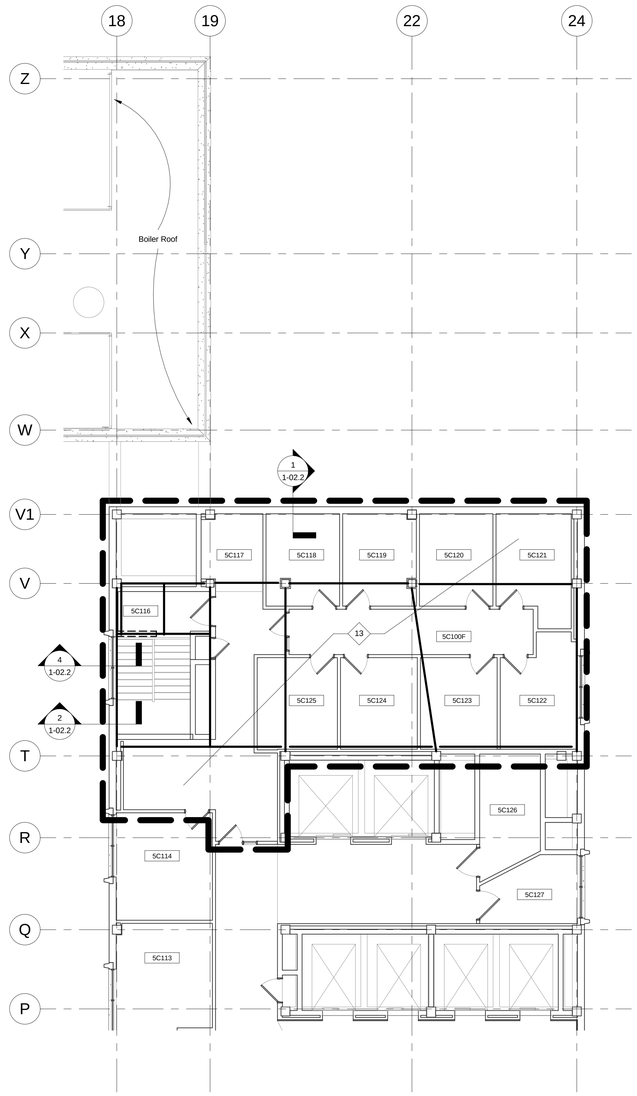
Scale 1/8" = 1'-0"



Notes:
1. See also 01 00 00 General Requirements.
2. Contractor to frame around existing duct work, pipes, etc. that interfere with temporary partition.

3 TEMPORARY PARTITION SECTION

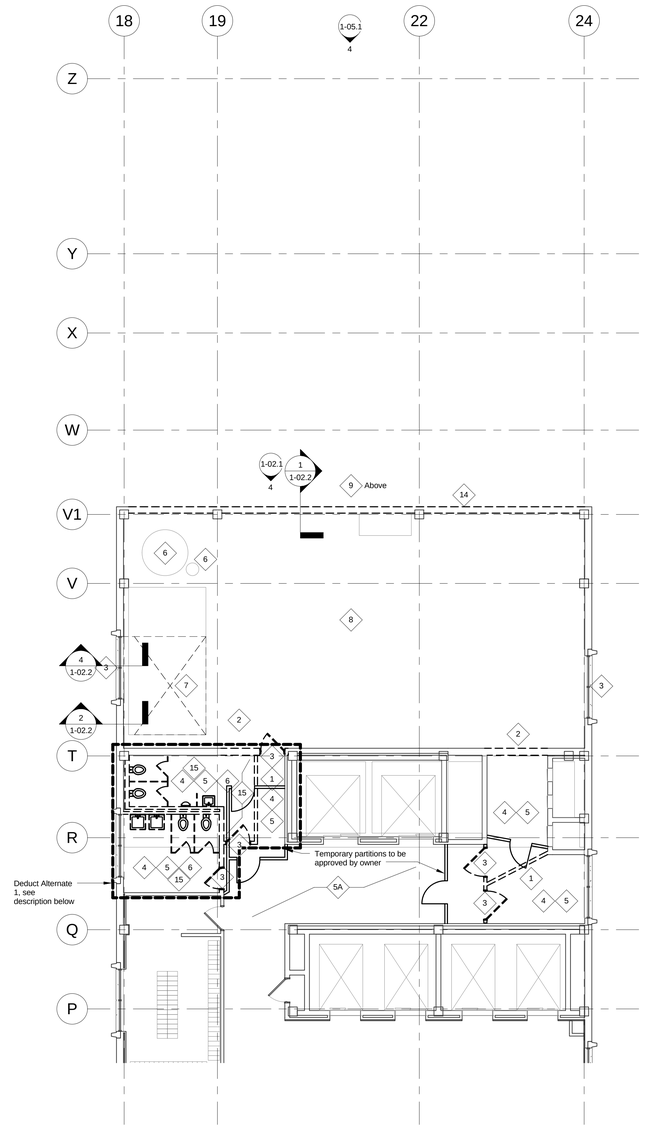
Scale 3/8" = 1'-0"



2 PARTIAL FIFTH FLOOR DEMOLITION PLAN

Scale 1/8" = 1'-0"

Upon the acceptance of Deduct Alternate 2 - Delete the work associated with reconstructing the fifth floor that was demolished to allow for installation of new structural steel. See Keynote 13.



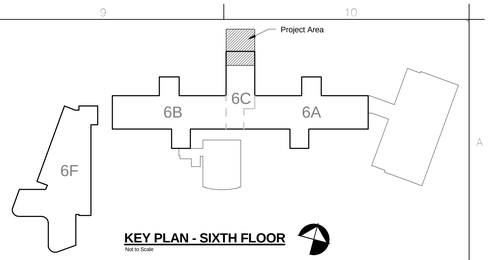
1 PARTIAL SIXTH FLOOR DEMOLITION PLAN

Scale 1/8" = 1'-0"

Upon the acceptance of Deduct Alternate 1:
Delete the work associated with the demolition and build out of Toilet Rooms 6C-111 and 6C-112. Contractor to provide new corridor wall/construction required to provide Corridor 6C-100D

LINETYPE LEGEND

- Existing construction to remain
- Existing construction to be demolished
- Temporary partition
- CMU walls



KEY PLAN - SIXTH FLOOR

Not to Scale

1. Refer to specifications section 02 41 00 Demolition for additional requirements and information.

2. Project scope is indicated for general intent only. Additional demolition will be required inside and outside this line. Architectural demolition drawings are for schematic purposes.

3. Contractor shall construct and maintain at all times temporary partitions in accordance with Detail 3 on this drawing. Temporary partitions shall be located to separate all owner occupied areas from construction areas.

4. Coordinate all new penetrations and/or openings with other associated trades.

5. The owner shall remove, prior to construction, all items that the owner desires to salvage. All remaining items indicated to be demolished shall be removed by the contractor and legally disposed of in accordance with the project specifications.

6. Contractor shall coordinate all demolition with the entire set of contract documents for full scope of demolition work required for the project.

7. Existing conditions shown on the drawings are not guaranteed to be complete. The contractor shall verify all existing conditions, dimensions, and materials required for the contracted work. Report all discrepancies to architect prior to fabrication, erection, and/or installation.

8. Contractor shall provide dust proof barricades & vestibule with dust removing walk off mat (tacky mat) to separate scope of work from occupied areas.

9. Contractor shall provide HEPA filtered negative air machine(s) to maintain negative pressure to scope of work area ensuring no dust will be transferred to occupied areas. Provide visual pressure monitoring device at dust proof barricade to confirm pressure. Dust monitoring shall be by owner. See specification 01 00 General Requirements

10. All demolition work being done outside temporary partitions is to be appropriately sealed off to prevent the transmission of dust and debris and minimize disruption to visitors, residents, and staff. Coordinate location of barriers with the owner.

11. The hospital's smoke and fire suppression system shall remain in operation within the scope of work during the entire construction phase.

12. Field verify locations of all existing walls. Report any discrepancies to field COR.

13. Some items may be indicated in the demolition drawings and demolition notes which are not necessarily demolition work, but are included to describe the overall scope of the project and aid in the demolition coordination. The contractor is responsible for all work required to complete the work of the overall project.

14. Flooring demolition includes the removal of existing floor finishes, including VCT, sheet vinyl, ceramic tile, quarry tile, carpet and other finishes, grouts, mastics, and setting beds complete to existing concrete floor slab or other substrate ready for new floor finishes. Concealed multiple floor finishes may be present in several locations. Floor preparation shall be by the installing contractor.

15. Remove partitions indicated to the underside of the structure above.

16. Demolition of ceilings includes grid, tile, supports, soffits and related items as any ceiling mounted electrical and mechanical fixtures and supports contained within.

17. Plug abandoned floor openings with new concrete. Plug shall match existing slab depth and shall be structurally sound to carry floor load of 100 lbs/sf unless noted otherwise. Coordinate with structural Drawings.

18. All fire rated assemblies (columns, shafts, walls, etc.) Shall be maintained or be relocated/patched. Match existing fire rating unless noted otherwise.

19. Where new doors are indicated, cut openings in existing wall. Prepare openings for new door. Patch adjacent walls to match existing. Provide lintels as required for new openings.

20. After removal of existing partitions, contractor shall provide cementitious infill and floor leveler to prepare floor surface for new finishes.

21. Additional temporary partitions may be required due to sequencing of work. Contractor shall determine location and quantity of all temporary partitions in accordance with ICRA and VA requirements prior to submittal of bid.

22. See mechanical drawings for plumbing, HVAC and fire protection demolition. See electrical drawings for all power and lighting demolition.

23. Debris removal shall not interfere with owner's operations and shall occur during off hours as determined by COR.

24. All noise generating operations, including cutting of ceilings, walls and floor, coring, drilling, etc. shall be scheduled in accordance with the project specifications Section 01 00 00 General Requirements.

25. See asbestos abatement drawings for asbestos related work.

DEMOLITION CODED NOTES

1. Remove existing metal stud or CMU interior partition from floor to underside of structure above. Repair all surfaces, including floor under removed partitions, to receive new construction and scheduled finish.
2. Remove portion of wall as required for new opening. Prepare all adjacent surfaces, including floor under removed partitions to receive new construction and scheduled finish. Temporarily protect adjacent occupied areas until work is completed. Coordinate w/ structural to provide temporary shoring/ support of opening.
3. Remove door or window, frame and hardware complete.
4. Remove existing floor finish and base as required for new construction. Patch and level existing floor to receive new floor finish as scheduled. Level per new floor finish manufacturer's recommendations. Patch existing walls as required to receive new wall base as scheduled.
5. Remove existing ceiling system, supports, ties and related equipment within limits of construction (unless noted otherwise). Coordinate with electrical work on removal and/or relocation of lights, conduit, ties, supports and related wiring. Coordinate with mechanical on removal of diffusers, grilles and related ductwork and equipment. Contractor shall verify fixtures for salvage or relocation prior to commencing demolition.
5A. Existing ceiling and flooring to remain. See also Drawing 1-04.1.
6. Coordinate with mechanical for relocation of exhaust duct work and structural for patching holes.
7. Cut opening for new stairway, coordinate with structural drawing.
8. Remove roof system, flashing, etc, coordinate with Mech and Plumbing drawings.
9. Remove portion of existing screen wall to allow for new HVAC work, roofing, structural etc., rework to accommodate new work.
10. Not Used.
11. (Upper Roof - Boiler room) Remove portion of stone parapet, flashing, roof membrane and pipe rail/guard rail. Cut/modify coping, guardrail roofing and flashing to accommodate new steel columns. Reinstall modified coping, guardrail roofing, flashing etc, to match existing conditions and to maintain owner's warranties.
12. (Lower Roof) Remove portion of existing EIP roof system as indicated by dashed lines, to install new columns. Remove flashing/counter flashing at wall for new column(s) installation. Modify coping/flashing to accommodate new column installation. Reinstall modified coping, roofing, flashing, etc. to match existing conditions and to maintain owners warranties
13. Contractor to remove portions of existing construction as required to install new steel beams and fireproofing (3HR rating) as described but not limited to the following:
    1. Finish flooring and base.
    2. Portions of wall construction as required to install and fire proofing and new steel
    3. Remove, stock and protect doors for reinstallation.
    4. Remove ceilings in the their entirety. Verify existing layouts (i.e. lights, diffusers, grid and tile material) and reinstall new ceiling grid and tiles to match. Coordinate with mech, elect, and structural drawings.
    5. Remove temporary partitions and maintain infection control risk assessment measures.
    6. Scope under alternate shall still include demolition, steel beams and fireproofing.
    7. Coordinate with Alternate Descriptions.
14. Remove portion of existing exterior wall.
15. Remove and replace existing 1" topping and provide floor leveler for all new finishes.

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PARTIAL THIRD, FIFTH AND SIXTH FLOOR DEMOLITION PLANS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date	Checked	Drawn
02/23/2015	MS	BG

Project Number
541-CSI-102

Building Number
1

Drawing Number
1-02.1
Dwg. of

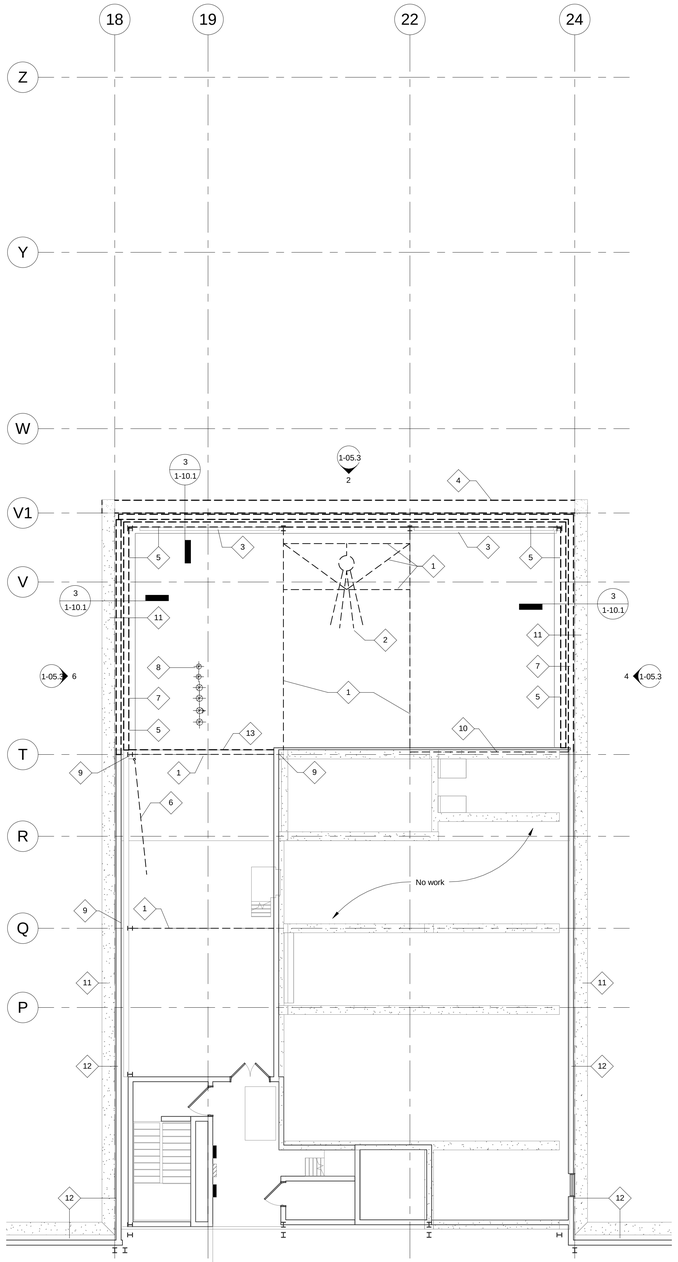
Office of Facilities Management

Department of Veterans Affairs

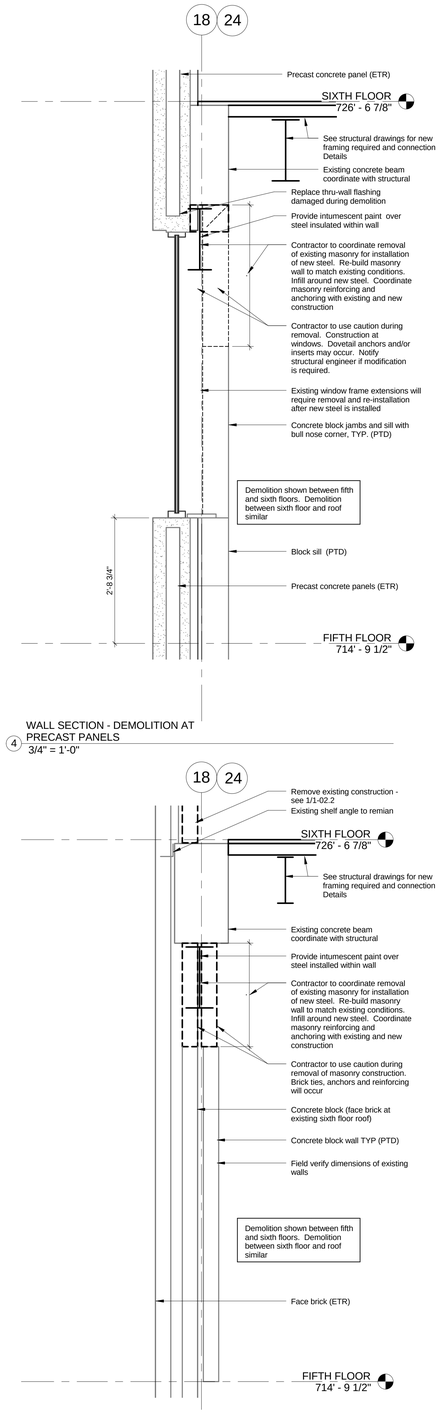
VA FORM 08-6231, OCT 1978

SEVENTH FLOOR ROOF PLAN DEMOLITION CODED NOTES

1. Existing Structural steel above roof – coordinate with structural drawings.
2. Guide wires for cell/radio tower ETR, maintain and protect during construction.
3. Diagonal braces – coordinate with structural drawings.
4. Remove coping and portion of exterior wall.
5. Rework bottom portion of existing screen wall. Refer to drawing 1-10.1 for existing conditions. Remove and rework bottom portion of existing screenwall as required to accomplish work shown on Drawing 1-05.3
6. Remove existing framing and related items to remove existing winch system in its entirety.
7. Remove existing 'gutter' system for new construction coordinate with architectural drawings.
8. Coordinate with mechanical drawings.
9. Antenna connected to structure (ETR). Maintain during construction.
10. Guardrail on upper roof to remain.
11. Coping, ETR.
12. Coordinate proposed work on existing 'gutter' system and drainage with architectural drawings.
13. Remove existing parapet coping and subframing. Extend existing masonry wall construction. Refer to 9/1-09.4

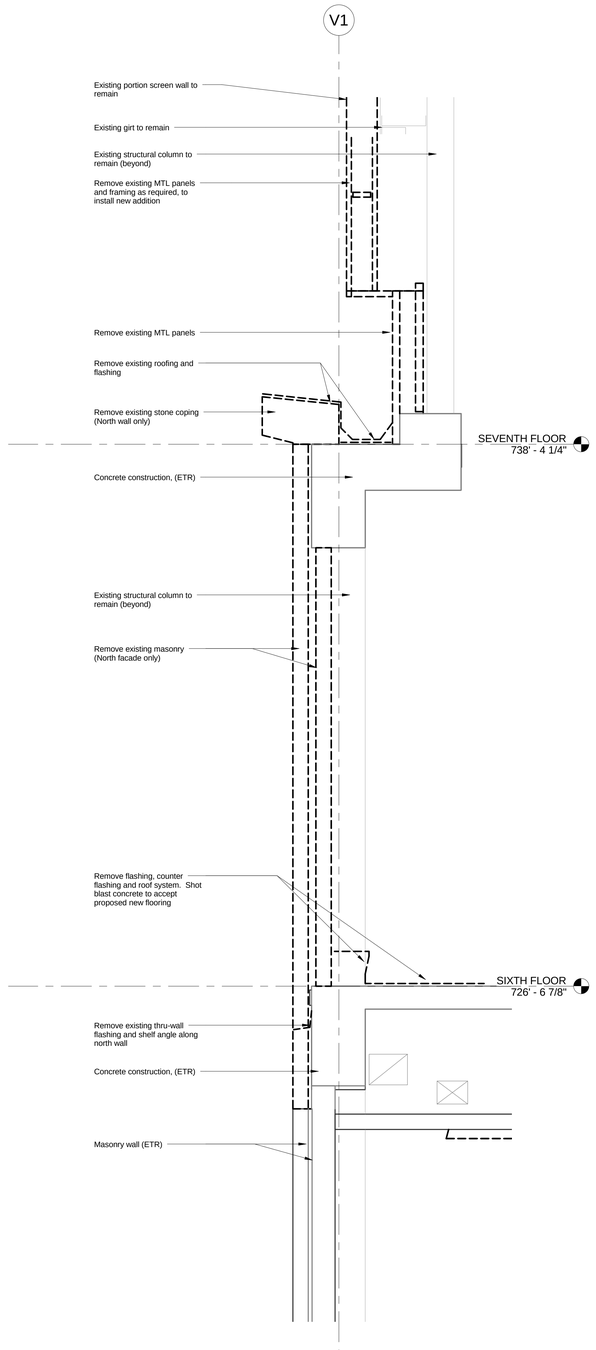


3 PARTIAL SEVENTH FLOOR DEMOLITION PLAN
1/8" = 1'-0"



4 WALL SECTION - DEMOLITION AT PRECAST PANELS
3/4" = 1'-0"

2 WALL SECTION - DEMOLITION AT MASONRY WALL
3/4" = 1'-0"



1 WALL SECTION - DEMOLITION
3/4" = 1'-0"

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

CONSULTANTS:

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STATE OF OHIO
WILLIAM C. AYARS
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REGISTERED ARCHITECT

ARCHITECT:

Perspectus architecture
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Drawing Title
PARTIAL SEVENTH FLOOR DEMOLITION PLAN AND DEMOLITION WALL SECTIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

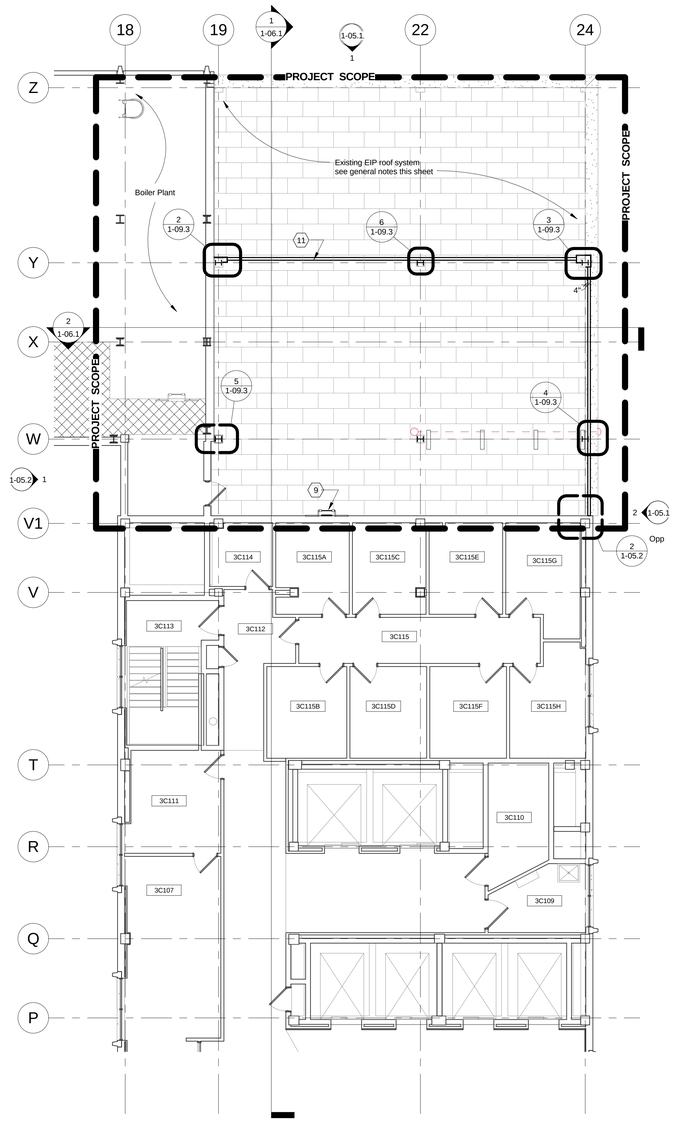
Drawing Number **1-02.2**

Dwg. of

Office of Facilities Management

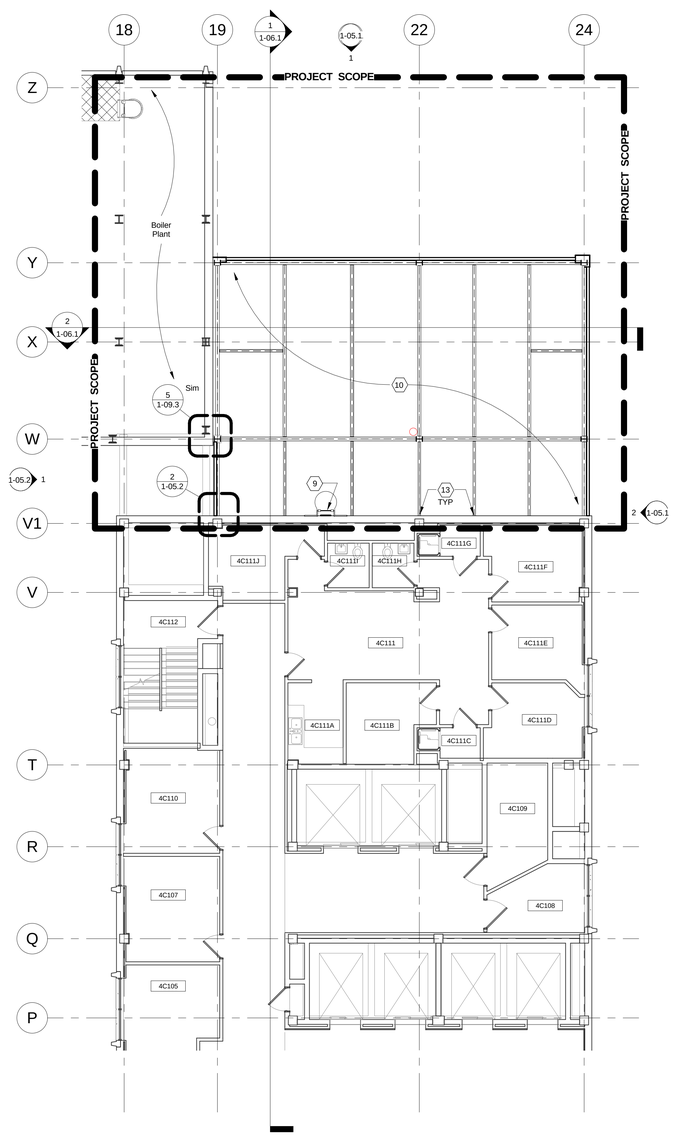
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



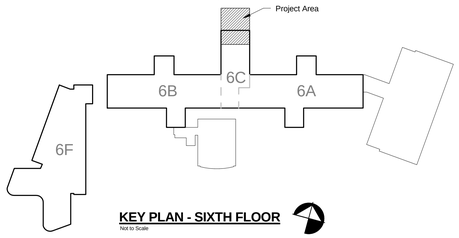
1 PARTIAL THIRD FLOOR PLAN

Scale 1/8" = 1'-0"



2 PARTIAL FOURTH FLOOR PLAN

Scale 1/8" = 1'-0"



KEY PLAN - SIXTH FLOOR

Not to Scale

ROOF PLAN NOTES

1. The existing Ethylene-Interpolymer (EIP), Protected Roof Membrane Assembly (PRMA) roof is warranted by the manufacturer and installing contractor. Preserve existing roofing system warranty by patching holes and openings using approved materials and methods. Notify warrantors before proceeding with roof patching. At completion of roof patching, notify warrantors to obtain documentation verifying that existing roofing system has been inspected and warranty remains in effect. Submit documentation at project closeout.

2. Project scope line is indicated for general intent only. Contractor will complete all work regardless if it is located outside of project scope area as indicated on any drawing.

3. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to manufacturer's written instructions and warranty requirements. Do not apply roofing membrane during inclement or windy weather with ambient temperatures below 40° and falling. During cold weather conditions, the temperature/humidity ratio must be at least 5° F above the dew point of ambient air and rising. Protect roof deck, insulation and interior spaces from moisture at the end of the day's work or when the weather is threatening.

4. Contractor shall provide additional roof patches indicated by work shown on drawings.

5. Existing second floor roof is under a five year warranty with Willham Roofing Co. Inc, phone number 440-238-3080. Coordinate all roofing construction with this company.

6. Contractor shall provide protection for existing structure during transport of all construction materials over existing occupied spaces.

ROOF PLAN CODED NOTES

1. Roof drain and overflow drain. See detail 2/1-09.5. Coordinate with plumbing drawings
2. Base bid – contractor to remove existing roof membrane, flashings, insulation, accessories, etc. Provide new membrane, flashing, insulation and accessories required to provide positive drainage "back to" nearest gutter drain. Base bid to include removing of area back as indicated on plans
3. Provide detail at base of wall / roof intersection similar to 4 / 1-09.5.
4. Line of reworked metal screen wall, typical.
5. Typical panel retainer detail at perimeter of new roof. See composite insulation panel retainers on 1-09.5
6. Wall section 1 / 1-07.1 occurs on column line 24 and 18, between column V1 and T.
7. Equipment support. See detail 7 / 1-09.5. Coordinate quantity and location with Mechanical Drawings
8. Contractor to relief cut composite panels at required sloped insulation locations. Re-secure with eight inch stainless, steel strap (minimum 22 ga.) That is pre-bent on the angle required. Secure straps with specified fasteners at 12" o.c.
9. Roof access ladder with safety cage. Delete for Deduct Alternate 1
10. Structural framing consists of steel and fire proofing, but not floor or deck materials. Coordinate with 1-S02
11. Maintenance access for existing roof, see elevation 1/1-05.1
12. Coordinate with structural for equipment slab
13. Remove portion of existing masonry to create pocket for new steel beam/connection installation. Replace masonry with new to match existing and provide a watertight installation. Typical for beam installation on fourth and fifth levels.
14. 1-1/2" diameter, schedule 80 IPS, 3-line removable pipe rail. Face mount flanges to edge of slab. Provide all tees, elbows as required for a complete installation.
15. Upon removal of existing masonry, provide new roof tie-in/patching to existing. Turn up at new masonry with flashing and counterflashing. Tie-in roof patch under new door threshold.
16. Provide 2'-6" x 4'-6" x 4" thick precast cap over masonry. Provide sloped top for drainage.
17. New masonry to match existing construction. Provide coping/flashing similar to detail 1/1-09.2.

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PARTIAL THIRD AND FOURTH FLOOR PLANS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

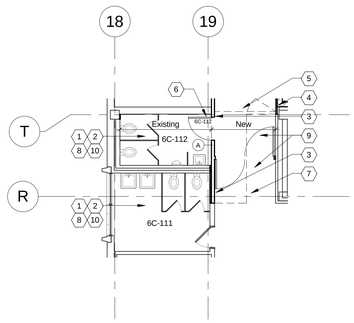
Drawing Number **1-03.1**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



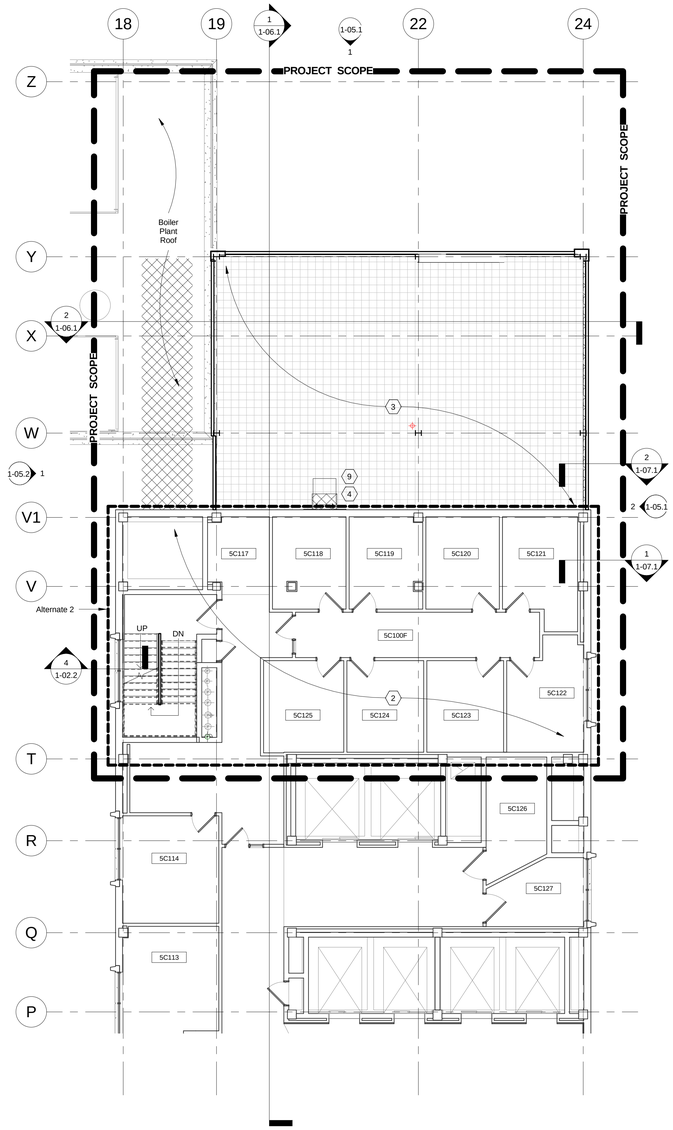
3 PARTIAL SIXTH FLOOR PLAN - ALTERNATE 1

0 4' 8' 16'
Scale 1/8" = 1'-0"

Upon the acceptance of Deduct Alternate 1:
Delete the work associated with the demolition and build-out of Toilet Rooms 6C-111 and 6C-112. Contractor to provide new corridor wall/construction required to provide Corridor 6C-100D.

PARTIAL SIXTH FLOOR PLAN - ALTERNATE 1 CODED NOTES

1. Existing Toilet Room fixtures to remain
2. Existing floor finishes to remain
3. New wall construction – coord. With Life Safety Plan
4. Patch wall to accept new finishes
5. Coord. With structural for new lintel support
6. Install door 6C-112
7. Include removal of existing floor finishes and topping slab. Provide new topping slab and floor leveler to accommodate new finishes. Coord. with interiors.
8. Patch ceiling to match existing
9. New ceiling per 1-04.1
10. Coordinate with mechanical, plumbing and electrical drawings.



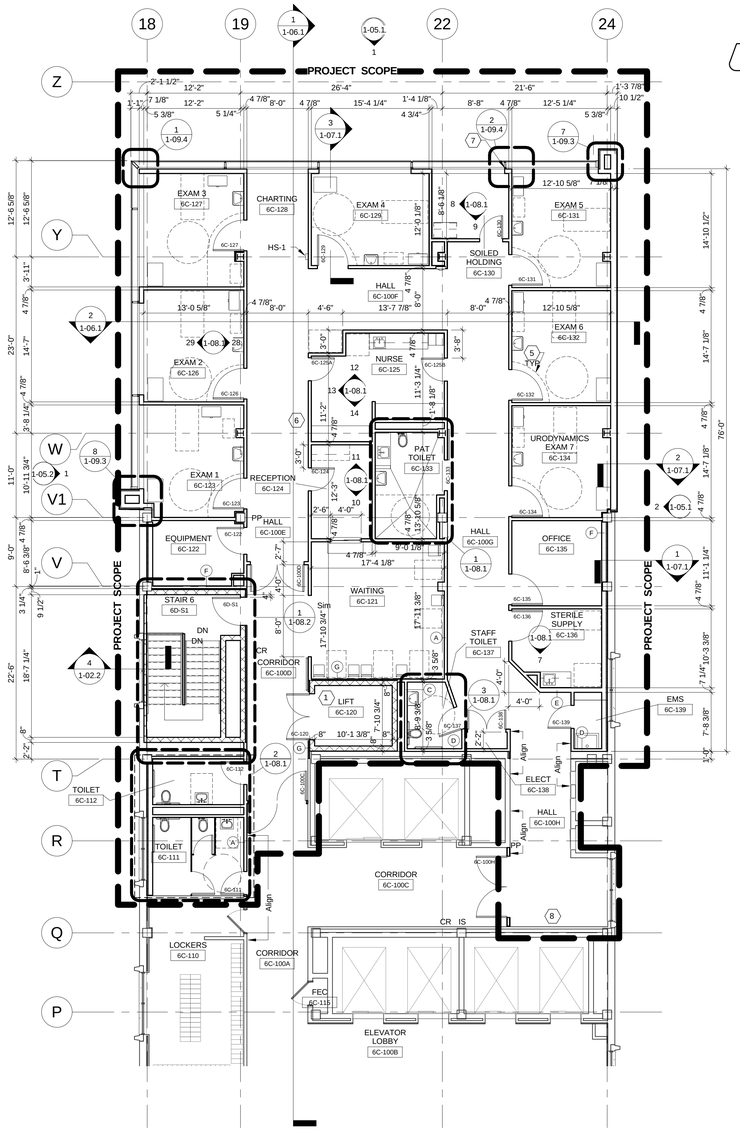
2 PARTIAL FIFTH FLOOR PLAN

0 4' 8' 16'
Scale 1/8" = 1'-0"

Contractor shall provide protection for existing structure during transport of all construction materials over existing occupied spaces.

Upon the acceptance of Deduct Alternate 1:
Delete the proposed floor grating and access ladder.

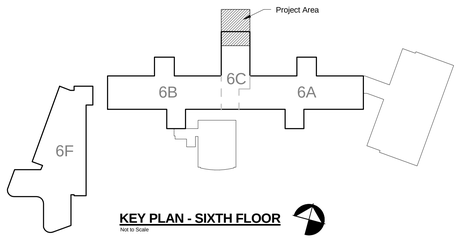
Upon the acceptance of Deduct Alternate 2:
Delete the work associated with reconstructing the Fifth Floor that was demolished to allow for installation of new structural steel. See keynote #2.



1 PARTIAL SIXTH FLOOR PLAN

0 4' 8' 16'
Scale 1/8" = 1'-0"

Upon the acceptance of Deduct Alternate 1:
Delete the work associated with the demolition and build-out of Toilet Rooms 6C-111 and 6C-112. Contractor to provide new corridor wall/construction required to provide Corridor 6C-100D.



KEY PLAN - SIXTH FLOOR

Not to Scale

FLOOR PLAN GENERAL NOTES

1. 07 81 00 - Spray fireproof existing painted steel beams, columns, bar joists, decking, etc. to comply with project requirements on Drawing 1-01.1.
2. All permanent SIGNAGE to be provided by owner.
3. Provide tile backer board on all walls at all tile locations
4. Provide moisture resistant Gypsum Wallboard at all walls in toilet rooms, and soiled utility rooms, except where tile backer board is required.
5. Provide 4'-0" (min) wide moisture resistant Gypsum Wallboard centered on sinks on all walls having sinks.
6. Provide protective coverings below all sinks coordinate with plumbing drawings

WALL TYPE LEGEND

1. All walls shall be Type A, unless noted otherwise.
2. All walls (studs, GYP BD, insulation, etc.) extend tight to structure above, unless noted otherwise. Provide for deflection.
3. All GYP BD shall be type "X", unless noted otherwise.
4. See Life Safety Plan 1-01.1 for fire rated and smoke barriers and partitions.

(A) WALL TYPE A
092216 - 3 5/8" 20 GA. @ 16" O.C. METAL STUD
092900 - ONE (1) LAYER 5/8" GYP BD ON EACH SIDE
072113 - FILL WITH ACOUSTICAL BATT INSULATION STC=48 BETWEEN STUDS (FOR 1 HR. RATED PARTITION COMPLY WITH UL U419 OR U465)

(B) WALL TYPE B
092216 - 1 1/2" 20 GA. @ 16" O.C. METAL FURRING
092900 - ONE (1) LAYER 5/8" GYP BD ON ONE SIDE FILL WITH INSULATION

(C) WALL TYPE C
092216 - 3 5/8" 20 GA. @ 16" O.C. METAL STUD
092900 - ONE (1) LAYER 5/8" GYP BD FACING ROOM SIDE.
072113 - FILL WITH ACOUSTICAL BATT INSULATION STC=48 BETWEEN STUDS

(D) WALL TYPE D
092216 - 3 5/8" 20 GA. @ 16" O.C. METAL STUD
092900 - ONE (1) LAYER 5/8" GYP BD FACING ROOM SIDE.

(E) WALL TYPE E
092216 - 6" 20 GA. @ 16" O.C. METAL STUD
092900 - ONE (1) LAYER 5/8" GYP BD ON EACH SIDE
072113 - FILL WITH ACOUSTICAL BATT INSULATION STC=48 BETWEEN STUDS (FOR 1 HR. RATED PARTITION COMPLY WITH UL 1419 OR U465)

(F) WALL TYPE F
092216 - 3 5/8" 20 GA. @ 16" O.C. METAL STUDS
092900 - ONE (1) LAYER 5/8" GYP BD ON ONE SIDE FILL WITH INSULATION

(G) WALL TYPE G
092900 - ONE (1) LAYER 5/8" GYP BD FACING ROOM SIDE
092216 - 1-1/2" 20 GA @ 16" OC METAL FURRING FILL WITH RIGID INSULATION

FLOOR PLAN CODED NOTES

1. Provide a "winch type" lift (11 18 00) capable of lifting 3,000 lbs. It has a steel I-beam at the 7th floor roof level where, once the object is raised, it will travel on trolley type rollers to the 7th floor/6th floor roof level where it can be set down. The object will then be able to be moved across roof grating to the existing mechanical/storage room on the seventh floor. The lift system will be within a fully enclosed area, including roof. See also Structural Drawings.
2. Base bid: Rework existing interiors as required to restore rooms to their pre-demolition state, after new beams have been installed, including but not limited to: 1, Finish flooring material and wall base. 2, Wall construction and painting. 3, Reinstalling doors and/or door frames paint or stain to match existing. 4, New ceiling grid and tile. 5, Coordinate with, mechanical, plumbing and electrical. See description of Deduct Alternate 2, this drawing.
3. Structural framing consists of steel, fire proofing, and welded bar grating. Coordinate with structural Drawing 1-S02.
Deduct Alternate 1: Delete fireproofing and welded bar grating and provide intumescent paint for steel framing
See description of Deduct Alternate 1, this drawing.
4. Fixed steel access ladder with safety cage, delete ladder under Deduct Alternate
5. Line of cubicle curtain (curtain and track provided by owner)
6. Medical gas zone valve box, top at 66" AFF
7. Provide compressible foam filler between end of wall and window mullion, full height of wall, typical
8. Remove existing wall finish and prepare wall for new finishes.
9. 3'-6" High steel railing at two sides of 3'-0"x4'-0" opening. Deduct Alternate 1: Delete railing.

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Revisions:	**Date**

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Drawing Title
PARTIAL FIFTH AND SIXTH FLOOR PLANS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

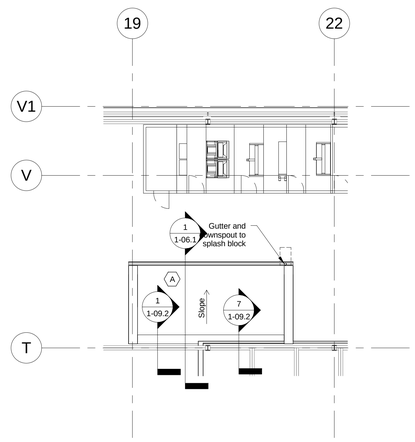
Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102
Building Number 1
Drawing Number **1-03.2**
Dwg. of

Office of Facilities Management
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

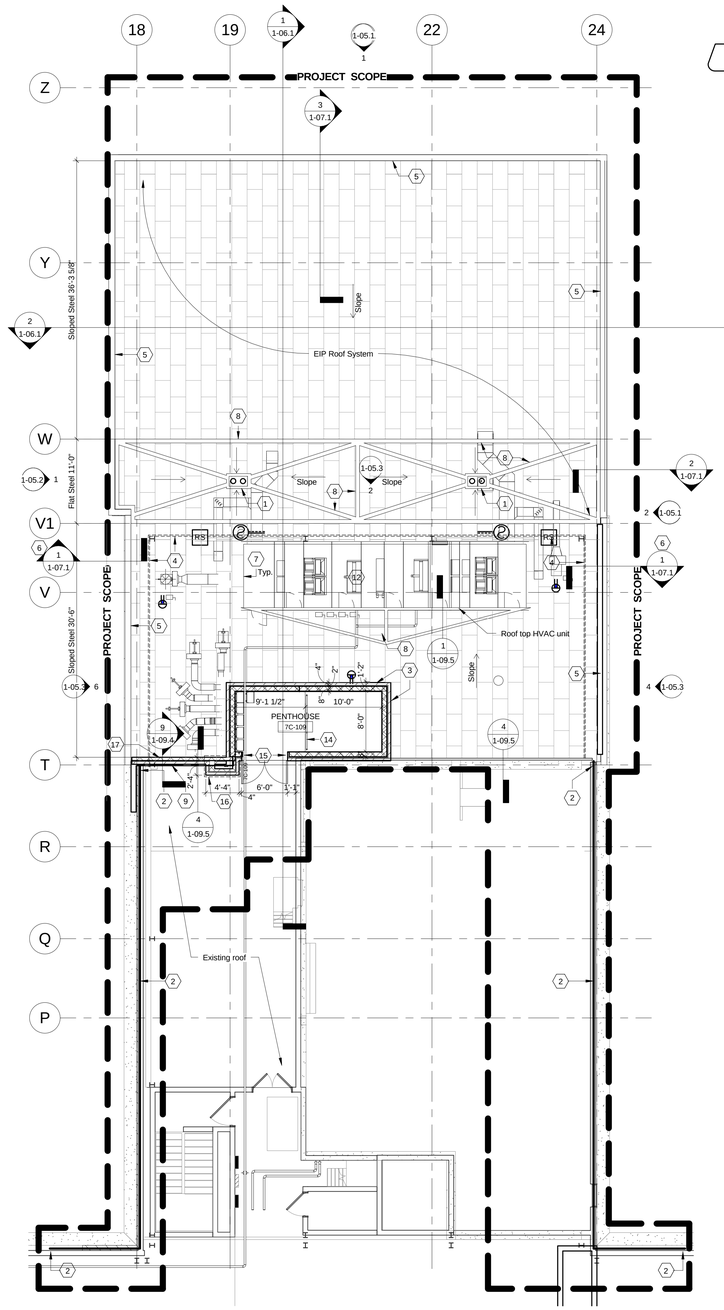


1 PARTIAL SEVENTH FLOOR ROOF PLAN

0 4' 8' 16'

Scale 1/8" = 1'-0"

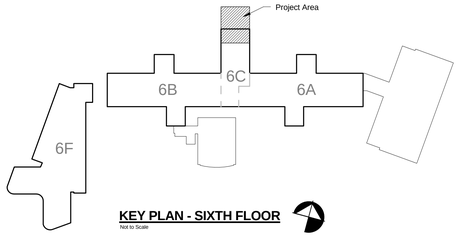
(A) BASE BID ROOF - 80 Mil, white PVC, fully adhered membrane over R-20 insulation, metal deck and sloped roof steel



2 PARTIAL SEVENTH FLOOR PLAN

0 4' 8' 16'

Scale 1/8" = 1'-0"



KEY PLAN - SIXTH FLOOR

Not to Scale

ROOF PLAN NOTES

1. The existing Ethylene-Interpolymer (EIP), Protected Roof Membrane Assembly (PRMA) roof is warranted by the manufacturer and installing contractor. Preserve existing roofing system warranty by patching holes and openings using approved materials and methods. Notify warrantors before proceeding with roof patching. At completion of roof patching, notify warrantors to obtain documentation verifying that existing roofing system has been inspected and warranty remains in effect. Submit documentation at project closeout.

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4. Contractor shall provide additional roof patches indicated by work shown on drawings.

5. Existing second floor roof is under a five year warranty with Willham Roofing Co. Inc, phone number 440-238-3080. Coordinate all roofing construction with this company.

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ROOF PLAN CODED NOTES

1. Roof drain and overflow drain. See detail 2/1-09.5. Coordinate with plumbing drawings
2. Base bid – contractor to remove existing roof membrane, flashings, insulation, accessories, etc. Provide new membrane, flashing, insulation and accessories required to provide positive drainage "back to" nearest gutter drain. Base bid to include removing of area back as indicated on plans
3. Provide detail at base of wall / roof intersection similar to 4 / 1-09.5.
4. Line of reworked metal screen wall, typical.
5. Typical panel retainer detail at perimeter of new roof. See composite insulation panel retainers on 1-09.5
6. Wall section 1 / 1-07.1 occurs on column line 24 and 18, between column V1 and T.
7. Equipment support. See detail 7 / 1-09.5. Coordinate quantity and location with Mechanical Drawings
8. Contractor to relief cut composite panels at required sloped insulation locations. Re-secure with eight inch stainless, steel strap (minimum 22 ga.) That is pre-bent on the angle required. Secure straps with specified fasteners at 12" o.c.
9. Roof access ladder with safety cage. Delete for Deduct Alternate 1
10. Structural framing consists of steel and fire proofing, but not floor or deck materials. Coordinate with 1-S02
11. Maintenance access for existing roof, see elevation 1/1-05.1
12. Coordinate with structural for equipment slab
13. Remove portion of existing masonry to create pocket for new steel beam/connection installation. Replace masonry with new to match existing and provide a watertight installation. Typical for beam installation on fourth and fifth levels.
14. 1-1/2" diameter, schedule 80 IPS, 3-line removable pipe rail. Face mount flanges to edge of slab. Provide all tees, elbows as required for a complete installation.
15. Upon removal of existing masonry, provide new roof tie-in/patching to existing. Turn up at new masonry with flashing and counterflashing. Tie-in roof patch under new door threshold.
16. Provide 2'-6" x 4'-6" x 4" thick precast cap over masonry. Provide sloped top for drainage.
17. New masonry to match existing construction. Provide coping/flashing similar to detail 1/1-09.2.

Upon the acceptance of Deduct Alternate 2:

Delete proposed EIP roof system and provide 80 mil, white PVC with KEE, fully adhered roof membrane. Include multiple layers of polyisocyrunate insulation to provide positive drainage and minimum R-20. Details to be per manufacturer's standard details for a fully adhered roof. Coordinate with Drawing 1-03.4

FULLY SPRINKLERED

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Drawing Title
PARTIAL SEVENTH FLOOR PLAN AND PARTIAL SEVENTH FLOOR ROOF PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-03.3**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

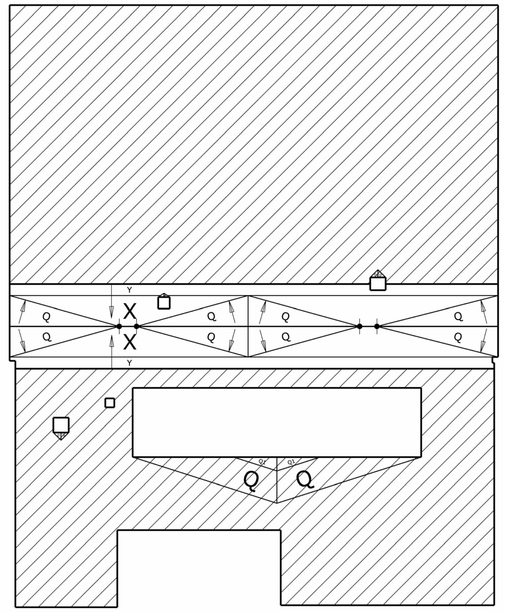
VA FORM 08-6231, OCT 1978

CONTRACTOR TO VERIFY ALL ROOF DIMENSIONS

GENERAL NOTES

1	ALL TAPERED & FLAT INSULATION SHALL BE EITHER FESCO OR POLYISOCYANURATE, AS MANUFACTURED BY JOHNS MANVILLE.
2	DRAWINGS ONLY SHOW PENETRATIONS THAT HAVE BEEN DESIGNATED TO RECEIVE POLYISOCYANURATE OR PERLITE CRICKETS OR PENETRATIONS THAT OBSTRUCT POSITIVE DRAINAGE PATTERNS. ROOFER TO SUPPLY ALL OTHER REQUIRED CRICKET MATERIAL.
3	ROOFER TO TRANSITION PERIMETER CONDITIONS AS REQUIRED
4	ROOFER TO PROVIDE TAPERED EDGE ROOF SUMPS AS REQUIRED

"Q" PANELS @ R.T.U. TYP



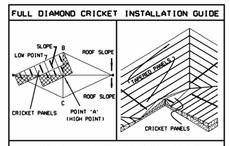
TAPERED POLYISO LAYOUT

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

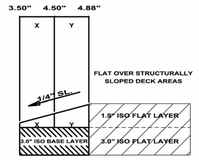
PANEL SCHEDULE

PANEL	TYPE	THICKNESS	SIZE	SLOPE
X	TAPERED	0.5"-1.5"	4'X 4'	1/4" / FT.
Y	TAPERED	1.5"-2.5"	4'X 4'	1/4" / FT.
Q	CRICKET	0.5"-2.5"	4'X 4'	1/2" / FT.
2.0"	ISO FILL	2.0"	4'X 4'	N/A
1.9"	ISO FLAT	1.9"	4'X 4'	N/A
3.0"	ISO BASE/FLAT	3.0"	4'X 4'	N/A

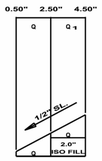
FULL DIAMOND CRICKET INSTALLATION GUIDE



1. LOCATE MIDPOINT BETWEEN DRAINS (POINT 'A').
2. LOCATE POINTS 'B'&'C' (LENGTH OF CENTER-LINE) BETWEEN POINTS 'B'&'C' DETERMINED BY CRICKET WIDTH REQUIREMENTS-SEE ROOF PLAN.
3. SNAP A CHALKLINE BETWEEN THE DRAINS AND POINTS 'A'-'B'-&'C' FORMING THE CRICKET OUTLINE
4. LAY IN 1ST SECTION OF TAPERED PANELS AS SHOWN. CUT AWAY EXCESS (HATCHED AREAS) AND DISCARD.
5. REPEAT ITEM #4 ON 3 REMAINING 'TRIANGLE' AREAS.



NOTE: HIGH POINTS SHOWN ABOVE INDICATE TOTAL THICKNESS OF INSULATION SYSTEM
PROFILE NOT TO SCALE!



NOTE: HIGH POINTS SHOWN ABOVE INDICATE TOTAL THICKNESS OF INSULATION SYSTEM
PROFILE NOT TO SCALE!

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PARTIAL SEVENTH FLOOR ROOF PLAN - DEDUCT ALTERNATE 2

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-03.4**

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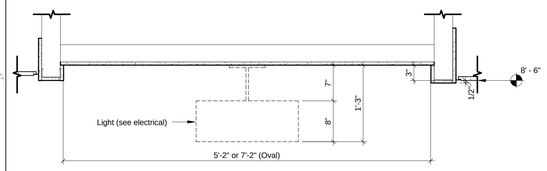
Office of Facilities Management

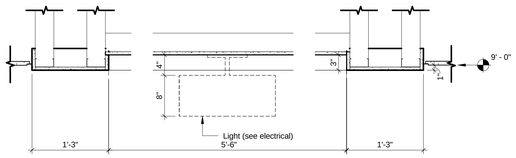
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



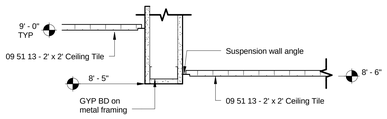
5 CEILING DETAIL

Scale 1" = 1'-0"



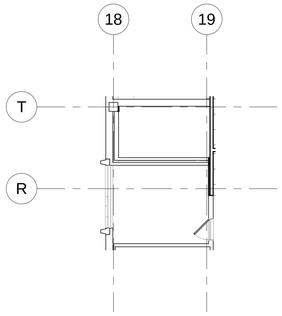
4 CEILING DETAIL

Scale 1" = 1'-0"



3 CEILING DETAIL

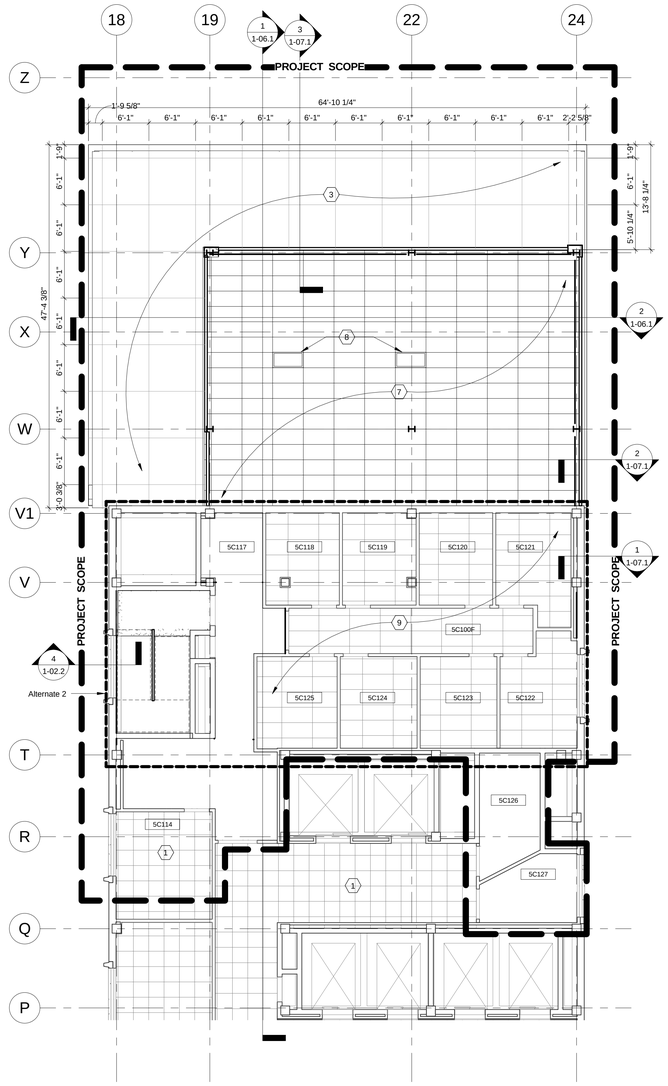
Scale 1 1/2" = 1'-0"



6 ALTERNATE 1 PARTIAL SIXTH FLOOR REFLECTED CEILING PLAN

Scale 1/8" = 1'-0"

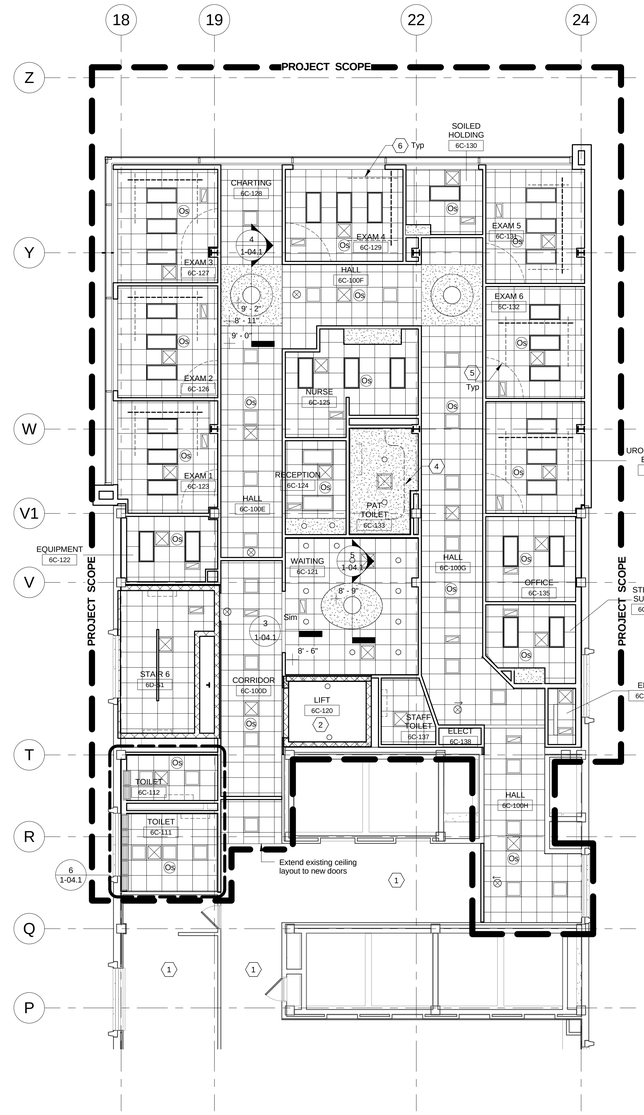
Upon acceptance of Deduct Alternate 1:
Delete the work associated with the build-out of Toilet Rooms 6C-111 and 6C-112. Contractor to provide new corridor wall / construction required to provide Corridor 6C-100D. Rework existing ceiling layout to accommodate new corridor wall.



2 PARTIAL FIFTH FLOOR REFLECTED CEILING PLAN

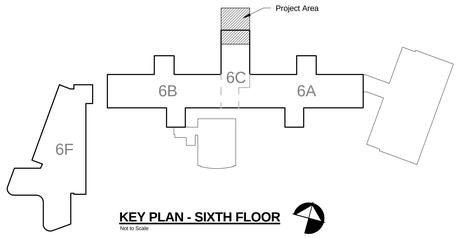
Scale 1/8" = 1'-0"

Upon the acceptance of Deduct Alternate 2:
Delete the work associated with reconstructing the Fifth Floor that was demolished to allow for installation of new structural steel. See keynote #2.



1 PARTIAL SIXTH FLOOR RELECTED CEILING PLAN

Scale 1/8" = 1'-0"



KEY PLAN - SIXTH FLOOR

Not to Scale

REFLECTED CEILING PLAN LEGEND

- 09 51 00 - 2' x 2' ACT SYS - See Interior drawings for type
- 09 29 00 - GYP BD CLG or Soffit on 09 22 16 - CLG support SYS
- 2' x 2' Light FIXT
- 2' x 4' Light FIXT
- Recessed downlight
- Supply diffuser
- Return / exhaust grille
- Exit Signs
- Radiant Panel
- Os Occupancy Sensor - See Electrical

REFLECTED CEILING PLAN GENERAL NOTES

1. All ceilings to be 9'-0" AFF unless noted otherwise. See Interior Elevations for soffit heights at millwork.

2. See architectural specifications Interiors drawings for ACT types.

3. Ceiling heights on reflected ceiling plan are from finish floor to finish ceiling.

4. Unless noted otherwise, light fixtures shall be located as shown on the reflected ceiling plan.

5. Where the lights and accessories are shown to be recessed in ceiling tiles, they shall be centered in the ceiling tile unless noted otherwise.

6. Provide access panels in GYP BD ceilings as required by applicable codes and as required for mechanical, electrical and plumbing equipment. Access panels located in finished areas shall be painted to match adjacent surfaces.

7. No mechanical equipment requiring normal maintenance shall be installed above a gypsum board ceiling. Locate such items above acoustical tiles only. Notify architect if any such items are indicated above the gypsum board ceilings.

8. Exit signs and smoke detectors located shall be centered in corridors and located a distance of 1'-0" from wall to the center of the fixture unless noted otherwise. Locate exit signs as required by the authority having jurisdiction.

9. Soffits and bulkheads shall be laterally braced to resist horizontal movement.

10. Contractor shall coordinate all types of fixtures with electrical drawings. Fixtures shown on architectural drawings are for reference only and are indicated for location only.

REFLECTED CEILING PLAN CODED NOTES

1. Existing ceiling to remain
2. No ceiling – open to exposed structure above
3. White, aluminum composite panels
4. Patient lift system by Owner. Installed by General Contractor
5. Cubicle curtain and track by owner, typical
6. Patient lift system (capable of lifting 600 lbs.) And unistrut support system provided by Owner and installed by G.C. typical for (7). Coordinate with structural. Typical
7. Provide lay-in gypsum panels and grid system consisting of the following: Gypsum panels – 2' x 4' x ½", sheetrock lay-in panel with vinyl finish Grid system – 15/16" heavy duty main and cross tee system, square edge. Hot dipped galvanized with aluminum cap, polyester paint finish for mains, cross tees, wall moldings, etc. Main tees 48" OC, cross tee 24" OC, compression posts 24" OC, 12 GA. Hanger wire. Compression posts – by ceiling supplier, one (1) at each corner of panels Hold-down nails – 6d, by GC, minimum (6) per 2 x 4 panel. Provide 9" batt insulation above lay-in ceiling
8. Provide 24" x 24" access panel, independently supported from the lay-in ceiling system. Support from bottom of deck above with 12 GA. Studs
9. Coordinate with mechanical, plumbing and electrical drawings for ductwork, piping, lighting etc. For demolition and new work scope.

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title: **PARTIAL FIFTH AND SIXTH FLOOR REFLECTED CEILING PLANS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-04.1**

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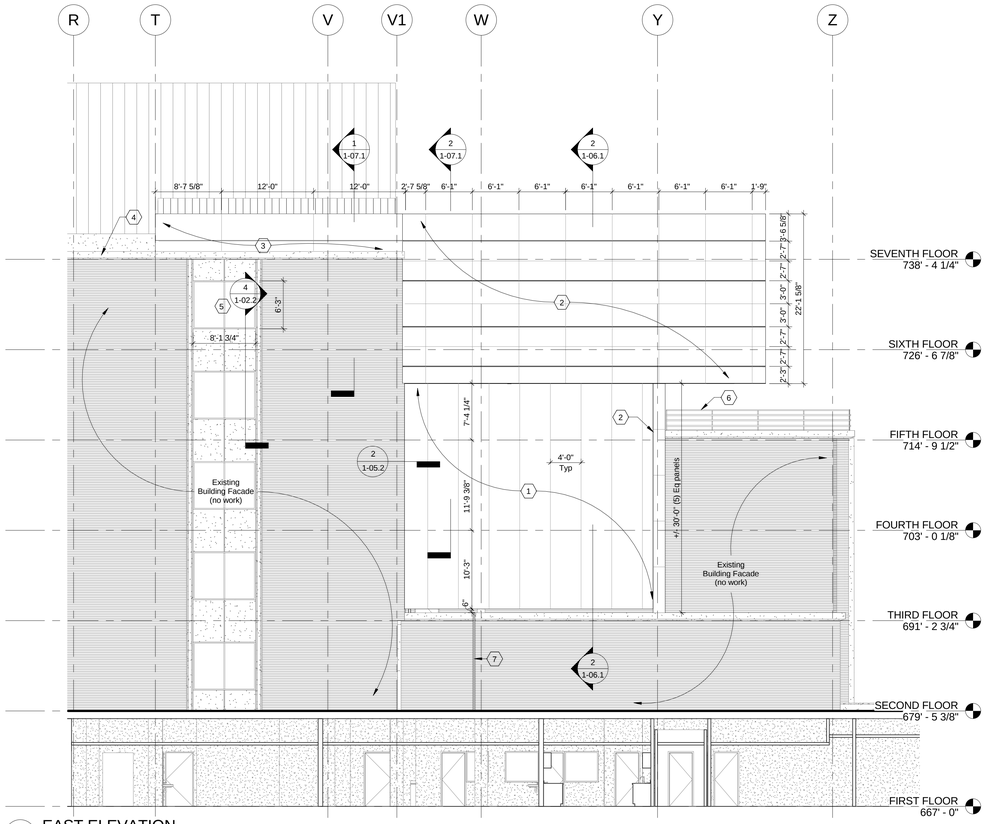
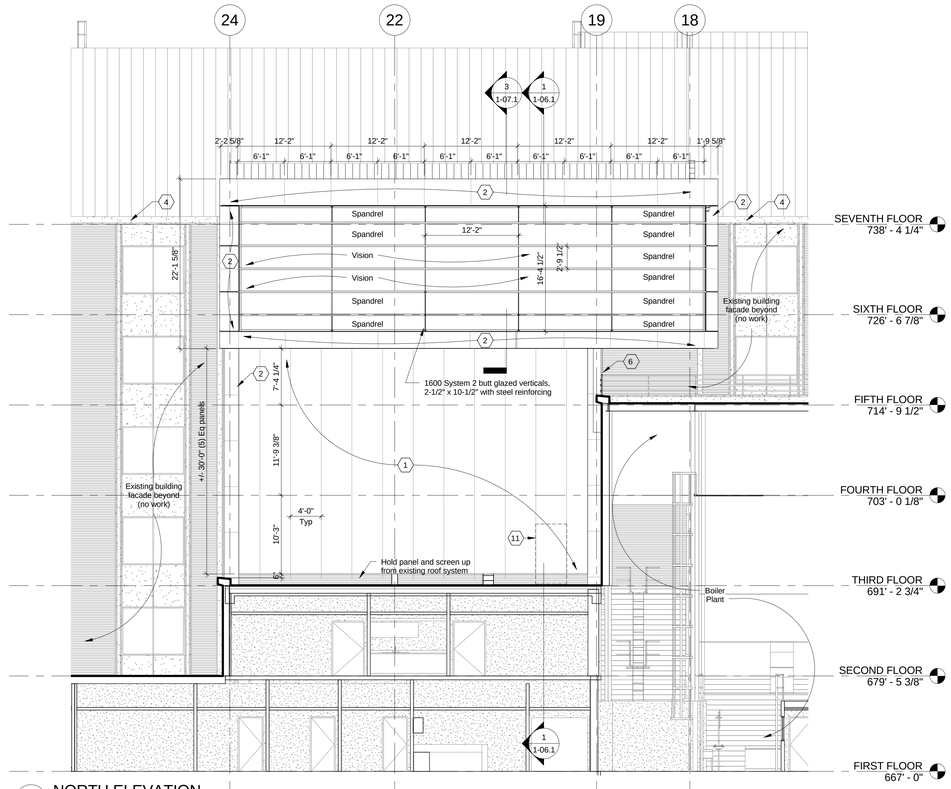


2 EAST ELEVATION

Scale 1/8" = 1'-0"

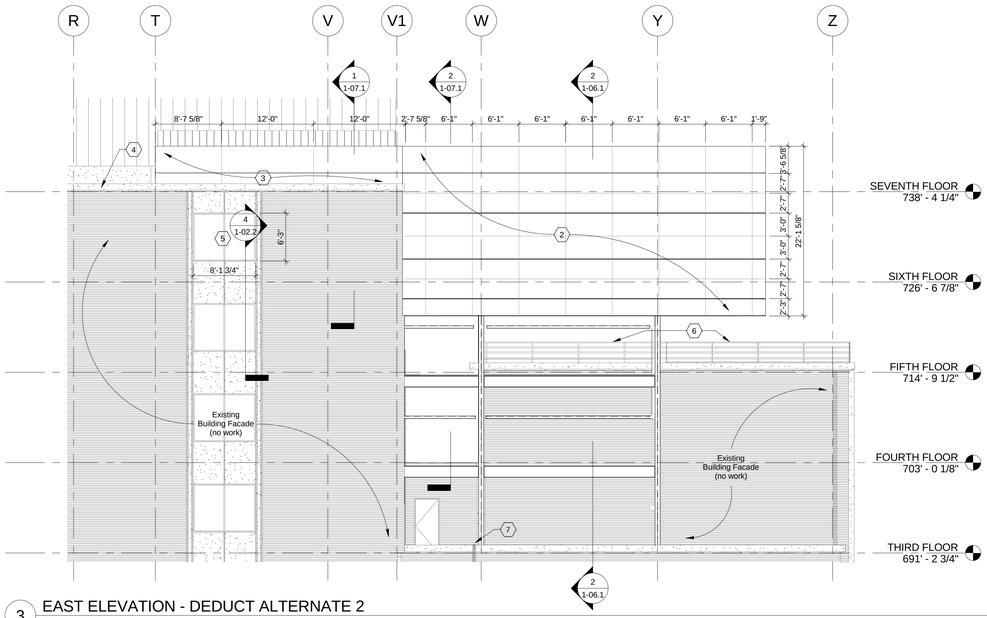


1 NORTH ELEVATION

Scale 1/8" = 1'-0"

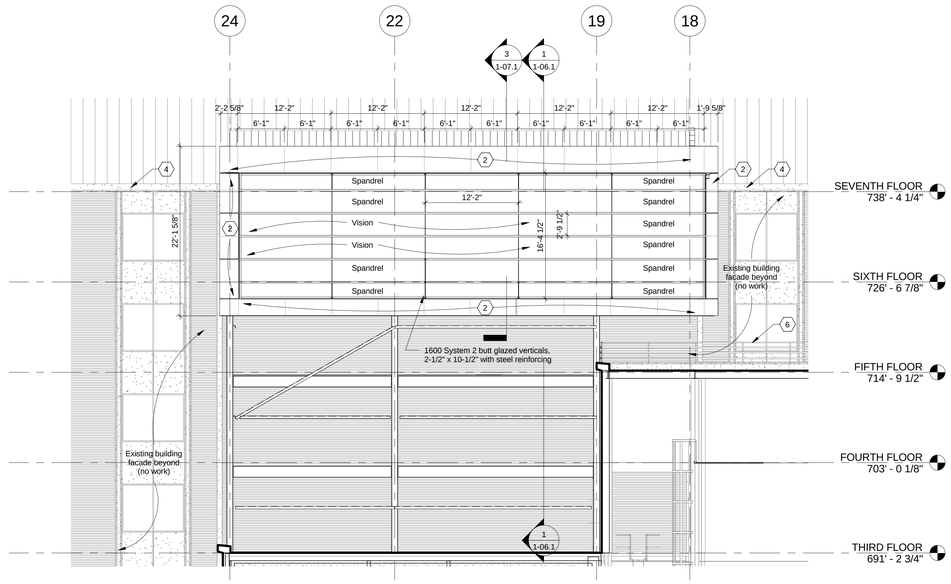
CODED NOTES

1. Screen panels (base bid) - .125" TH aluminum with exterior grade powder coat painted. Round 1/8" holes at 3/16" O.C., staggered. Secure with self-drilling screws or carriage bolts to cold formed metal framing. Securement and framing per structural performance specification. Panel size 48" x 144" max. Coordinate with Alternate 2.
2. White, aluminum composite panels over shim space and galvanized furring
3. Silver, aluminum composite panels over shim space and galvanized furring. Color to match existing screen wall.
4. Coordinate proposed work associated with existing gutter system and roof drainage with roof plan on 1-03.3.
5. Remove existing window and provide new (with thermal break) to match existing size and color. New window shall include 1" insulating glass with tinted glass to match existing. Include new thru-wall flashing (at sill, head and jambs), weep holes, weather barrier and window sills.
6. Existing guardrail / piperail, anchoring of posts and rails, to be removed, reworked and reinstalled to accommodate new structural columns and panels. Paint all materials to match existing finishes. Existing coping and flashing details to be removed and replaced with new to match existing and coordinated so as not to void existing roof warranty.
7. Overflow downspout from new addition roof, down to existing second floor roof with splash block. Coordinate with 1-P4.1.
8. Provide lay-in gypsum panels and grid system consisting of the following:
   Gypsum panels – 2' x 4' x ½", sheetrock lay-in panel with vinyl finish
   Grid system – 15/16" heavy duty main and cross tee system, square edge. Hot dipped galvanized with aluminum cap, polyester paint finish for mains, cross tees, wall moldings, etc. Main tees 48" O.C., cross tee 24"O.C., compression posts 24" O.C., 12 GA. Hanger wire.
   Compression posts – by ceiling supplier, one (1) at each corner of panels
   Hold-down nails – 6d, by GC minimum (6) per 2 x 4 panel. Provide 9" batt insulation above lay-in ceiling.
9. Base Bid - Fifth floor framing consists of structural steel, fireproofing and welded bar grating. Coordinate with structural 1-S02. Coordinate with Alternate 1.
10. See Mechanical, Electrical and Plumbing Drawings for work this area.
11. Provide maintenance access to roof area, 8'-0" above roof level. Provide girt and cold formed framing at perimeter to frame opening.



3 EAST ELEVATION - DEDUCT ALTERNATE 2

Scale 1/8" = 1'-0"



4 NORTH ELEVATION - DEDUCT ALTERNATE 2

Scale 1/8" = 1'-0"

Upon acceptance of Deduct Alternate 2:
Delete proposed metal screen panels, securement of panels, cold formed metal framing for supports, steel girders, aluminum composite panels on columns and sprayed on fireproofing. Provide intumescent paint on all exposed structural steel.

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title: **EXTERIOR ELEVATIONS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-05.1**

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Office of Facilities Management

Department of Veterans Affairs

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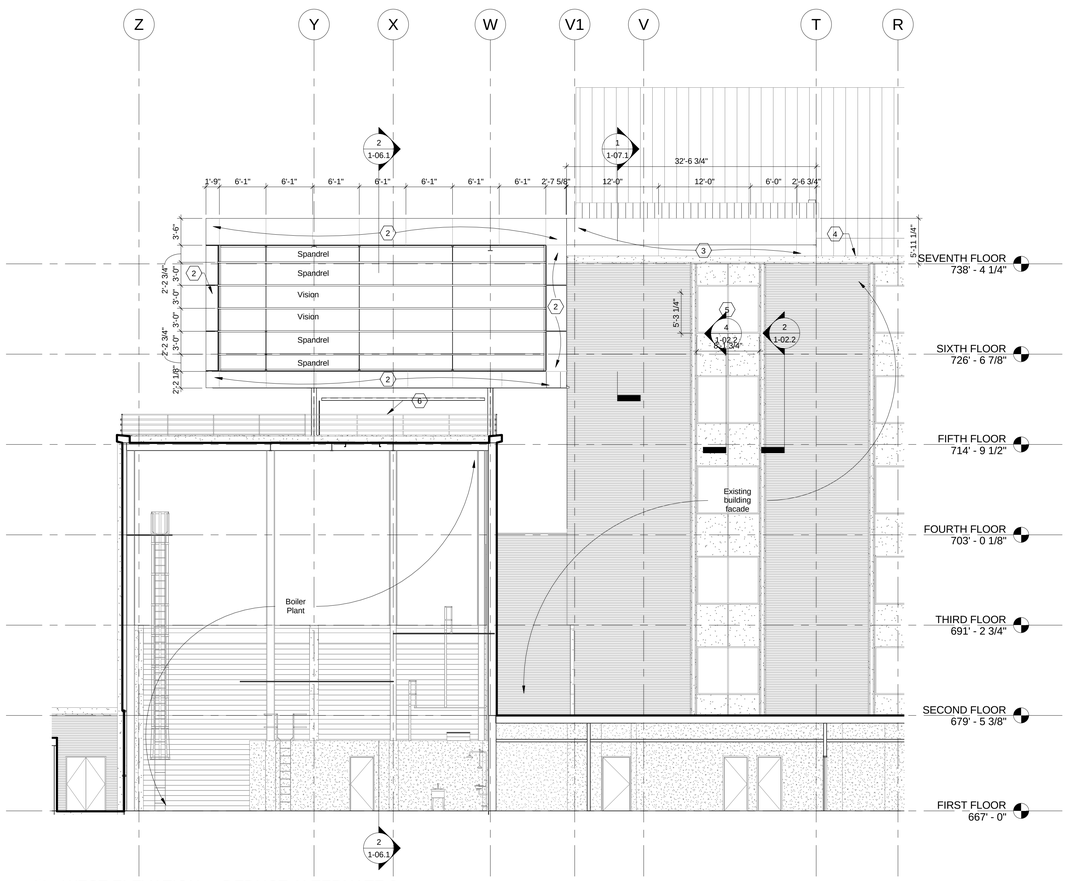
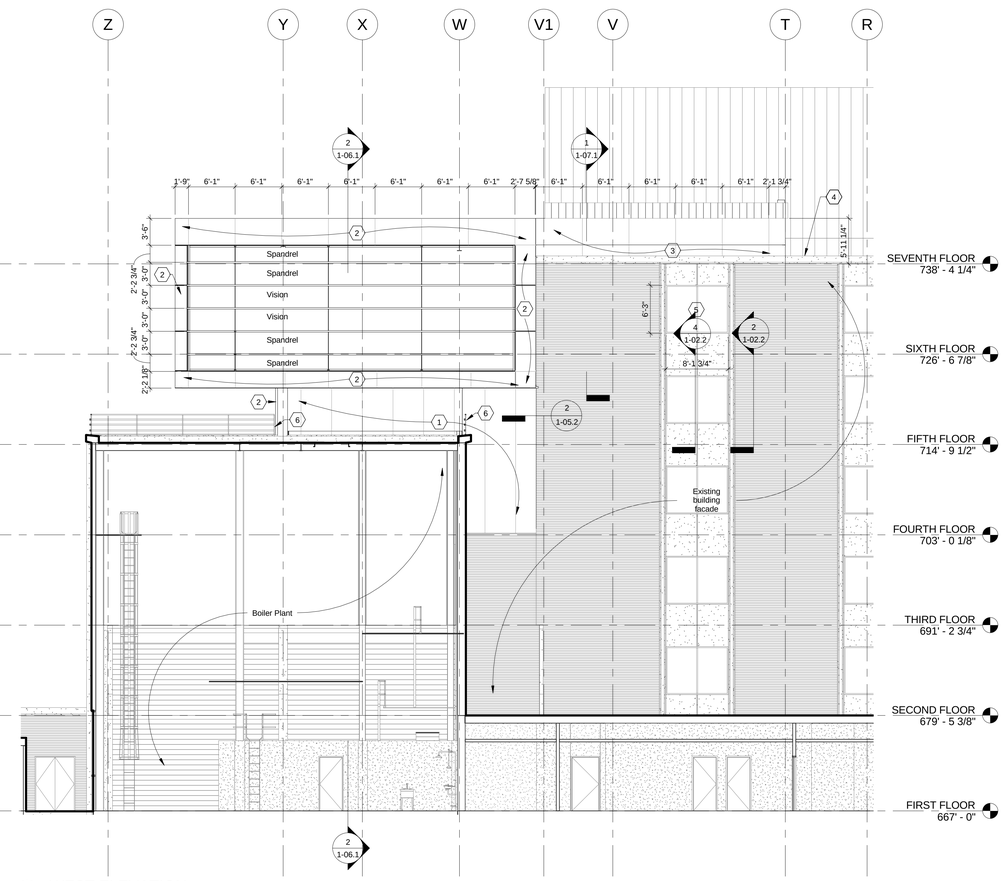


3 WEST ELEVATION - DEDUCT ALTERNATE 2

0 2' 4' 8'

Scale 1/8" = 1'-0"



1 WEST ELEVATION

0 4' 8' 16'

Scale 1/8" = 1'-0"

CODED NOTES

1. Screen panels (base bid) - .125" TH aluminum with exterior grade powder coat painted. Round 1/8" holes at 3/16" O.C., staggered. Secure with self-drilling screws or carriage bolts to cold formed metal framing. Securement and framing per structural performance specification. Panel size 48" x 144" max. Coordinate with Alternate 2.
2. White, aluminum composite panels over shim space and galvanized furring
3. Silver, aluminum composite panels over shim space and galvanized furring. Color to match existing screen wall.
4. Coordinate proposed work associated with existing gutter system and roof drainage with roof plan on 1-03.3.
5. Remove existing window and provide new (with thermal break) to match existing size and color. New window shall include 1" insulating glass with tinted glass to match existing. Include new thru-wall flashing (at sill, head and jambs), weep holes, weather barrier and window sills.
6. Existing guardrail / piperail, anchoring of posts and rails, to be removed, reworked and reinstalled to accommodate new structural columns and panels. Paint all materials to match existing finishes. Existing coping and flashing details to be removed and replaced with new to match existing and coordinated so as not to void existing roof warranty.
7. Overflow downspout from new addition roof, down to existing second floor roof with splash block. Coordinate with 1-P4.1.
8. Provide lay-in gypsum panels and grid system consisting of the following:
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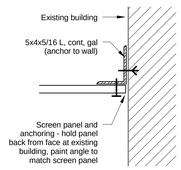
   Compression posts – by ceiling supplier, one (1) at each corner of panels
   Hold-down nails – 6d, by GC minimum (6) per 2 x 4 panel. Provide 9" batt insulation above lay-in ceiling.
9. Base Bid - Fifth floor framing consists of structural steel, fireproofing and welded bar grating. Coordinate with structural 1-S02. Coordinate with Alternate 1.
10. See Mechanical, Electrical and Plumbing Drawings for work this area.
11. Provide maintenance access to roof area, 8'-0" above roof level. Provide girt and cold formed framing at perimeter to frame opening.

Upon acceptance of Deduct Alternate 2:
Delete proposed metal screen panels, securement of panels, cold formed metal framing for supports, steel girders, aluminum composite panels on columns and sprayed on fireproofing. Provide intumescent paint on all exposed structural steel.



2 SCREEN WALL END DETAIL

0 4" 8" 16"

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

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
EXTERIOR ELEVATIONS AND DETAILS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-05.2**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

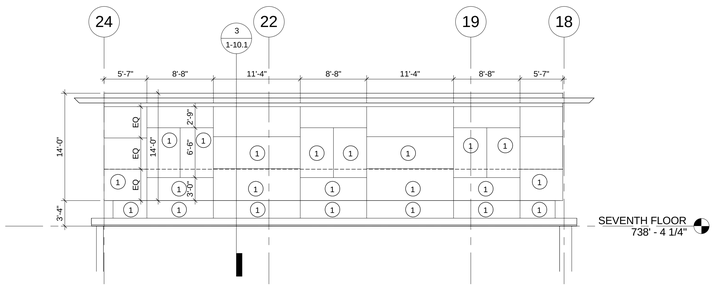
VA FORM 08-6231, OCT 1978

GENERAL NOTE

Refer to Drawing 1-10.1 for existing conditions.

SCREEN WALL CODED NOTES

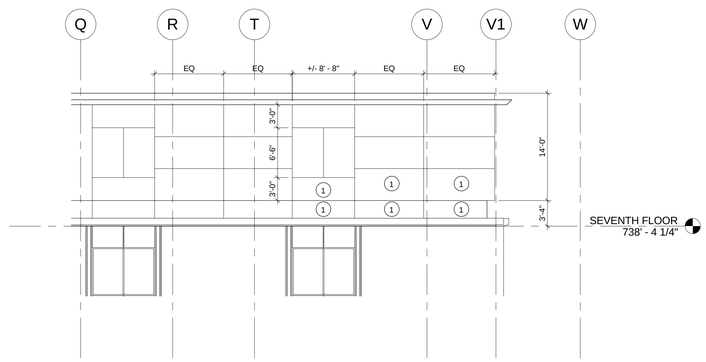
1 Remove existing aluminum composite panel, furring, metal studs and flush panel. See Sections 3/1-10.1 and 3A/1-10.1.



1 EXISTING NORTH SCREEN WALL ELEVATION

0 4' 8' 16'

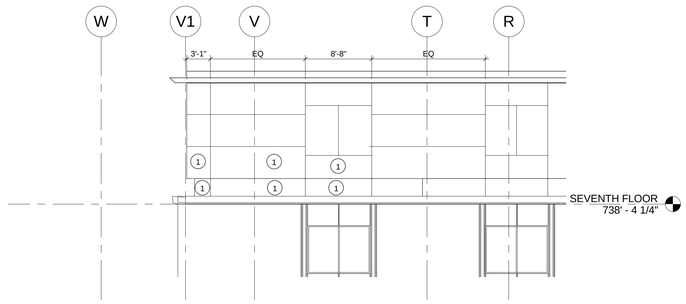
Scale 1/8" = 1'-0"



3 EXISTING EAST SCREEN WALL ELEVATION

0 4' 8' 16'

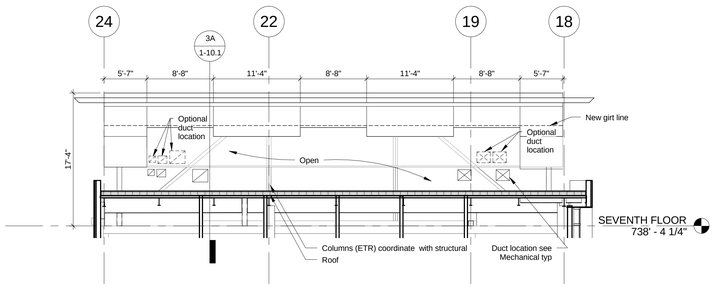
Scale 1/8" = 1'-0"



5 EXISTING WEST SCREEN WALL ELEVATION

0 4' 8' 16'

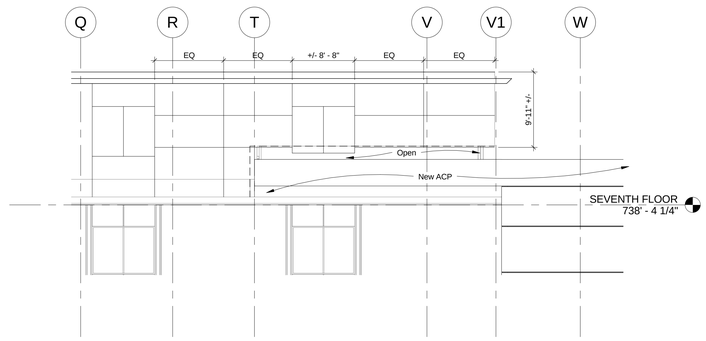
Scale 1/8" = 1'-0"



2 NORTH SCREEN WALL ELEVATION

0 4' 8' 16'

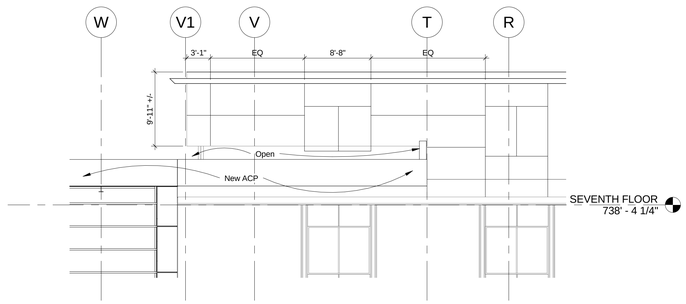
Scale 1/8" = 1'-0"



4 EAST SCREEN WALL ELEVATION

0 4' 8' 16'

Scale 1/8" = 1'-0"



6 WEST SCREEN WALL ELEVATION

0 4' 8' 16'

Scale 1/8" = 1'-0"

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

CONSULTANTS:

FREDRICK, FREDRICK & HELLER ENGINEERS, INC.
672 EAST ROYALTON ROAD
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7259
REGISTERED ARCHITECT

ARCHITECT:

Perspectus architecture

13212 Shaker Square Suite 204 Cleveland, Ohio 44120
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Drawing Title
SCREEN WALL ELEVATIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

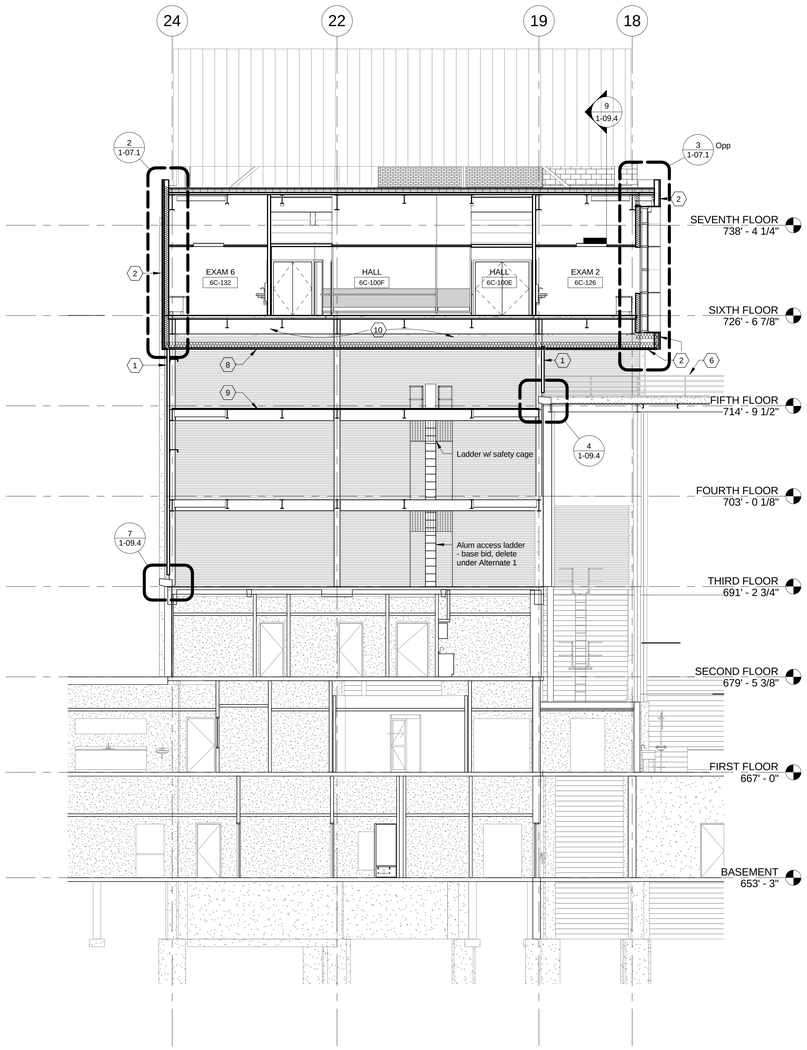
Drawing Number **1-05.3**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

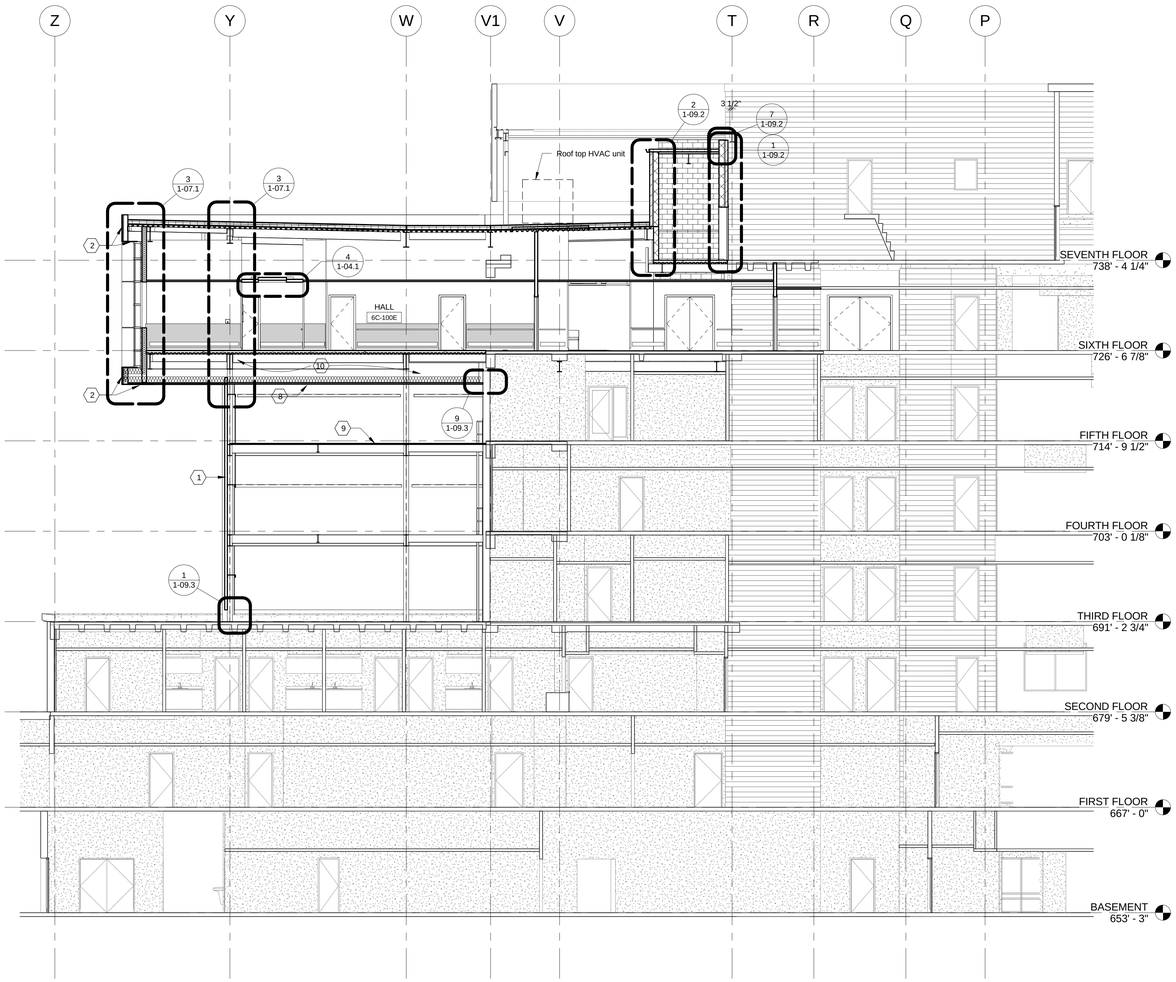
VA FORM 08-6231, OCT 1978



2 BUILDING SECTION

0 4' 8' 16'

Scale 1/8" = 1'-0"



1 BUILDING SECTION

0 4' 8' 16'

Scale 1/8" = 1'-0"

CODED NOTES

1. Screen panels (base bid) - .125" TH aluminum with exterior grade powder coat painted. Round 1/8" holes at 3/16" O.C., staggered. Secure with self-drilling screws or carriage bolts to cold formed metal framing. Securement and framing per structural performance specification. Panel size 48" x 144" max. Coordinate with Alternate 2.
2. White, aluminum composite panels over shim space and galvanized furring
3. Silver, aluminum composite panels over shim space and galvanized furring. Color to match existing screen wall.
4. Coordinate proposed work associated with existing gutter system and roof drainage with roof plan on 1-03.3.
5. Remove existing window and provide new (with thermal break) to match existing size and color. New window shall include 1" insulating glass with tinted glass to match existing. Include new thru-wall flashing (at sill, head and jambs), weep holes, weather barrier and window sills.
6. Existing guardrail / piperail, anchoring of posts and rails, to be removed, reworked and reinstalled to accommodate new structural columns and panels. Paint all materials to match existing finishes. Existing coping and flashing details to be removed and replaced with new to match existing and coordinated so as not to void existing roof warranty.
7. Overflow downspout from new addition roof, down to existing second floor roof with splash block. Coordinate with 1-P4.1.
8. Provide lay-in gypsum panels and grid system consisting of the following:
   Gypsum panels – 2' x 4' x ½", sheetrock lay-in panel with vinyl finish
   Grid system – 15/16" heavy duty main and cross tee system, square edge. Hot dipped galvanized with aluminum cap, polyester paint finish for mains, cross tees, wall moldings, etc. Main tees 48" O.C., cross tee 24"O.C., compression posts 24" O.C., 12 GA. Hanger wire.
   Compression posts – by ceiling supplier, one (1) at each corner of panels
   Hold-down nails – 6d, by GC minimum (6) per 2 x 4 panel. Provide 9" batt insulation above lay-in ceiling.
9. Base Bid - Fifth floor framing consists of structural steel, fireproofing and welded bar grating. Coordinate with structural 1-S02. Coordinate with Alternate 1.
10. See Mechanical, Electrical and Plumbing Drawings for work this area.
11. Provide maintenance access to roof area, 8'-0" above roof level. Provide girt and cold formed framing at perimeter to frame opening.

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
BUILDING SECTIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-06.1**

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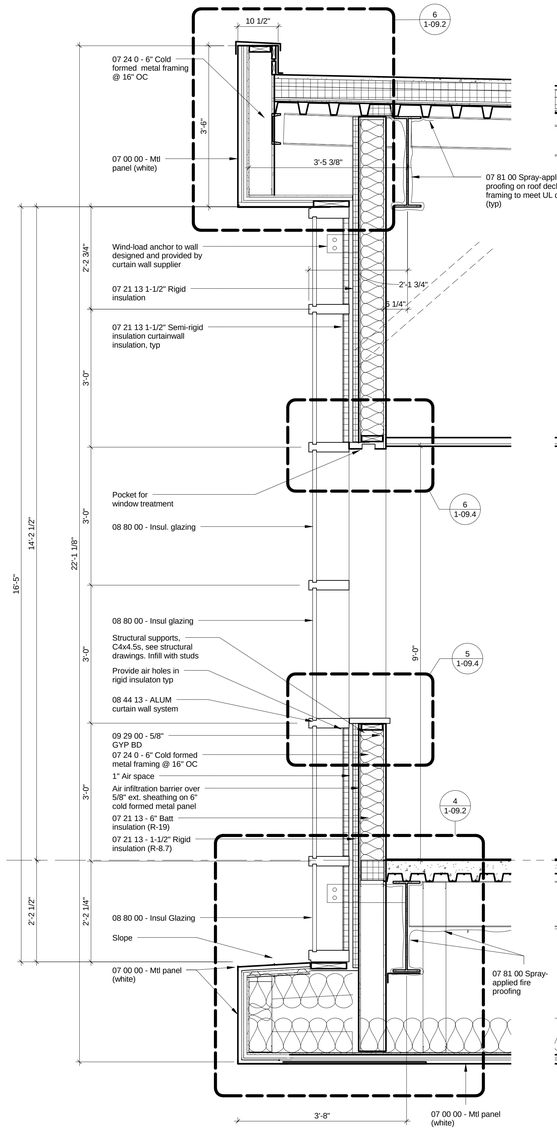

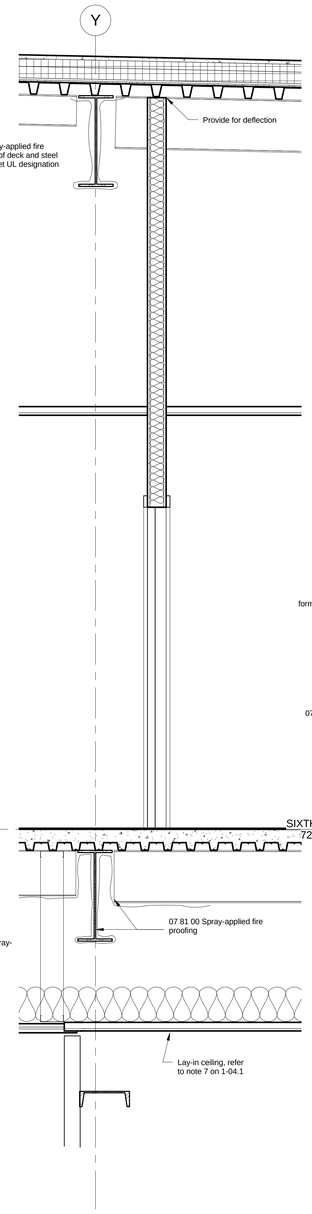

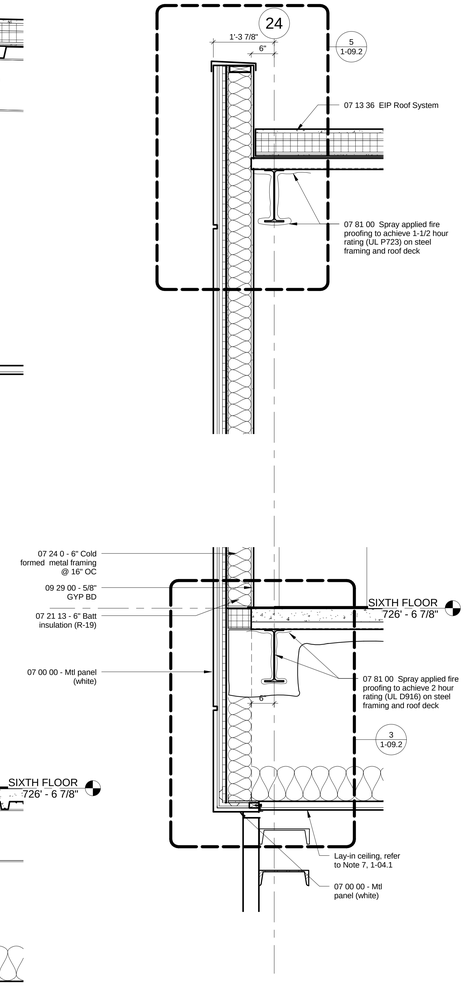

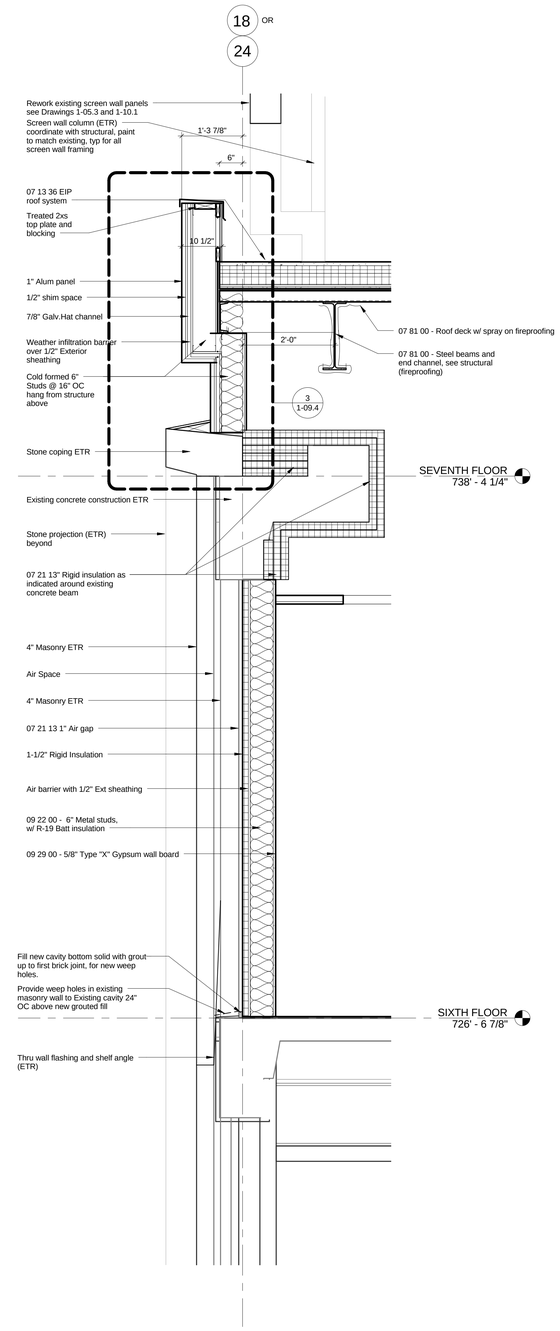

3 WALL SECTION

0 8" 16" 32"

Scale 3/4" = 1'-0"

2 WALL SECTION

0 8" 16" 32"

Scale 3/4" = 1'-0"

1 WALL SECTION

0 8" 16" 32"

Scale 3/4" = 1'-0"

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BID ISSUE	02/23/15
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Drawing Title
WALL SECTIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-07.1**

Dwg. of

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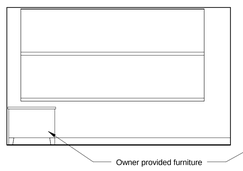
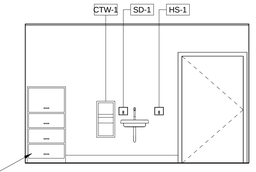
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



29 EXAM 6C - 126

Scale 1/4" = 1'-0"



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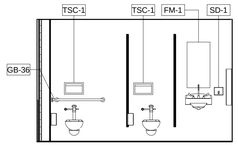
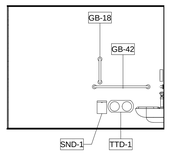


27 TOILET 6C - 111

Scale 1/4" = 1'-0"



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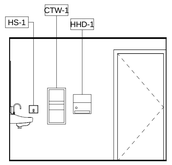
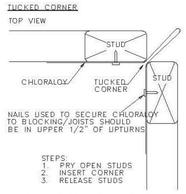


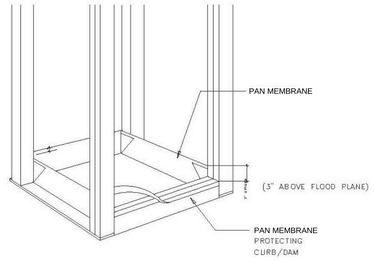
25 TOILET 6C - 111

Scale 1/4" = 1'-0"



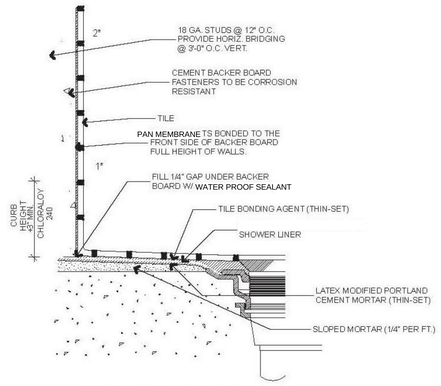
24 TUCKED CORNER DETAIL

Scale 1" = 1'-0"



23 SHOWER PAN DETAIL

Scale 1" = 1'-0"

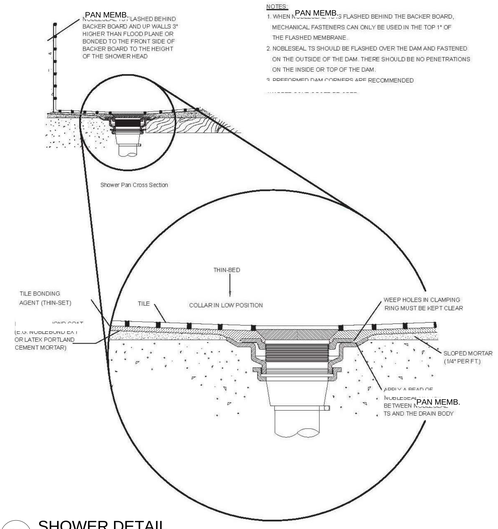


1 * SEE ATTACHED DETAILS FOR SHOWER PAN, TUCKED CORNER, FOLDING DETAILS OF NOBLESEAL, PAN MEMBRANE

2 * STUDS SHALL BE GALVANIZED OR HAVE RUST RESISTANT OXIDE PAINT

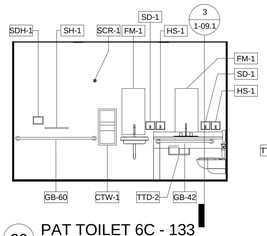
22 SHOWER/PATIENT TOILET TS WATERPROOFING

Scale 1" = 1'-0"



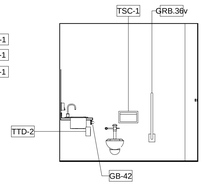
21 SHOWER DETAIL

Scale 6" = 1'-0"



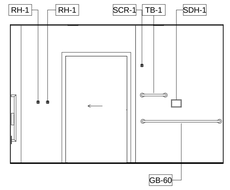
20 PAT TOILET 6C - 133

Scale 1/4" = 1'-0"



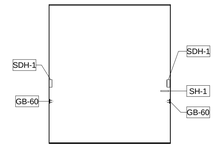
19 PAT TOILET 6C - 133

Scale 1/4" = 1'-0"



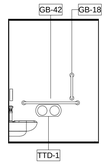
18 PAT TOILET 6C - 133

Scale 1/4" = 1'-0"



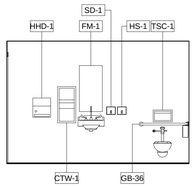
17 PAT TOILET 6C - 133

Scale 1/4" = 1'-0"



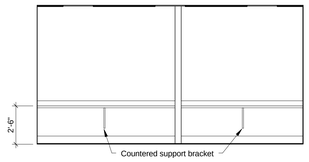
16 TOILET 6C - 112

Scale 1/4" = 1'-0"



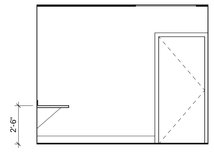
15 TOILET 6C - 122

Scale 1/4" = 1'-0"



14 NURSE 6C - 125

Scale 1/4" = 1'-0"



13 NURSE 6C - 125

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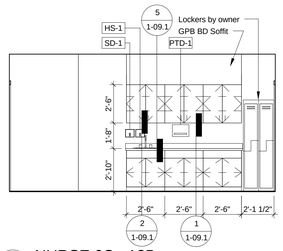

12 NURSE 6C - 125

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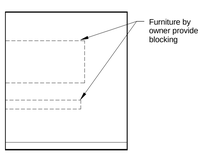

11 RECEPTION 6C - 124

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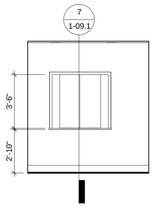

10 RECEPTION 6C - 124

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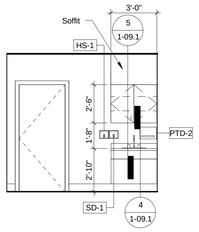
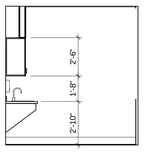


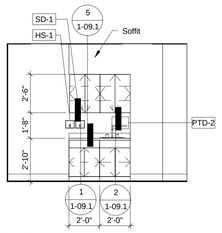
9 SOILED HOLDING 6C - 130

Scale 1/4" = 1'-0"



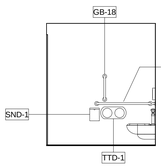
8 SOILED HOLDING 6C - 130

Scale 1/4" = 1'-0"



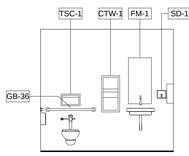
7 STERILE SUPPLY 6C - 136

Scale 1/4" = 1'-0"



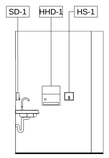
6 STAFF TOILET 6C - 137

Scale 1/4" = 1'-0"



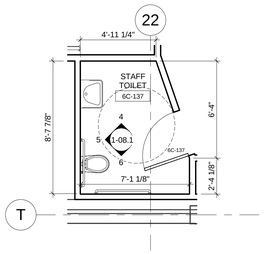
5 STAFF TOILET 6C - 137

Scale 1/4" = 1'-0"



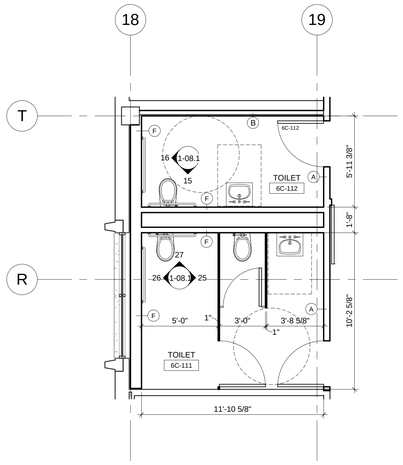
4 STAFF TOILET 6C - 137

Scale 1/4" = 1'-0"



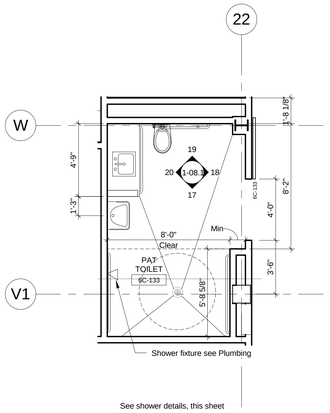
3 STAFF TOILET 6C - 137

Scale 1/4" = 1'-0"



2 TOILET 6C - 111 AND TOILET 6C - 112

Scale 1/4" = 1'-0"



See shower details, this sheet

1 PATIENT TOILET 6C - 133

Scale 1/4" = 1'-0"

Upon the acceptance of Deduct Alternate 2:
Delete the work associated with reconstructing the Fifth Floor that was demolished to allow for installation of new structural steel. See keynote #2.

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
ENLARGED FLOOR PLANS, INTERIOR ELEVATIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

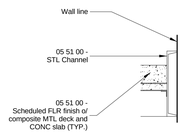
Drawing Number **1-08.1**

Dwg. of

Office of Facilities Management

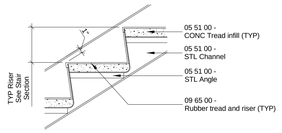
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



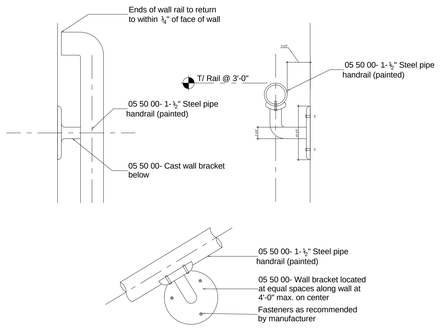
10 STAIR DETAIL

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



9 STAIR DETAIL

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



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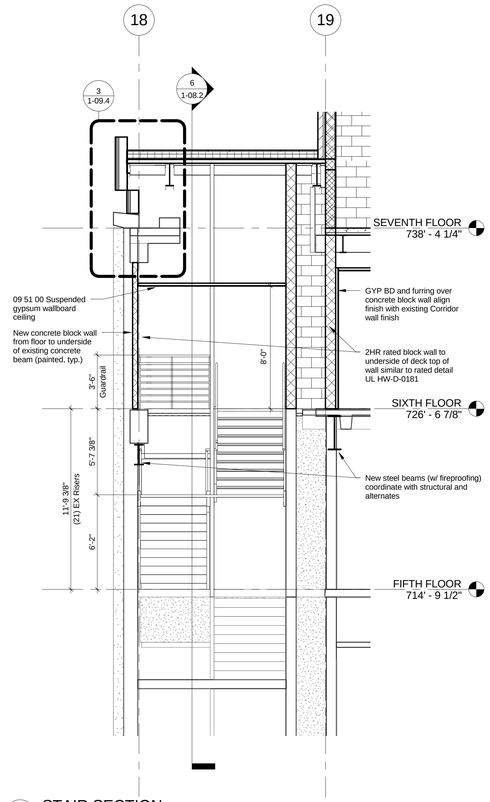
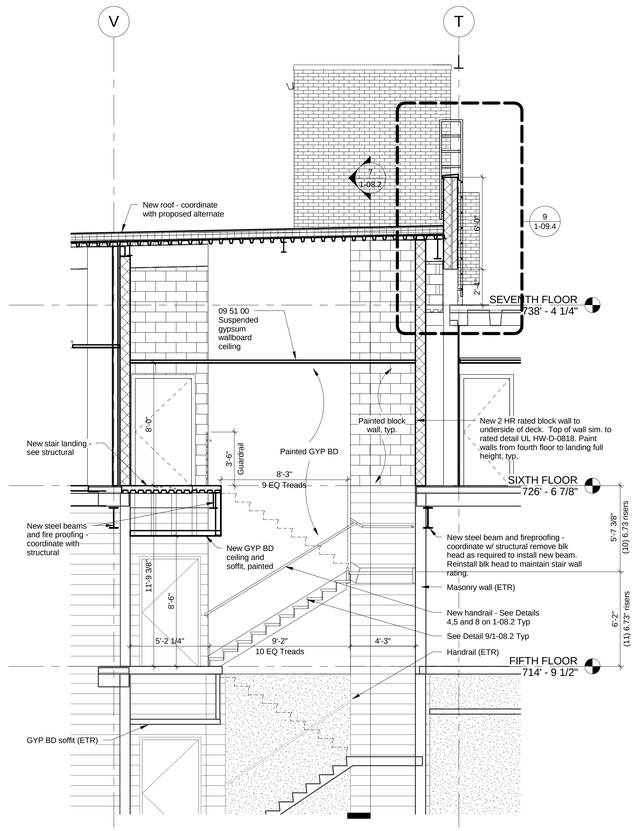


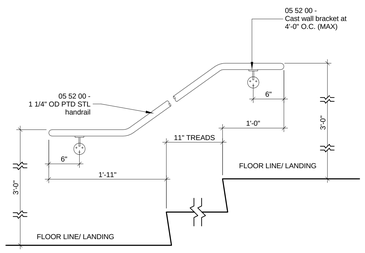
7 STAIR SECTION

0 2' 4' 8'
Scale 1/4" = 1'-0"



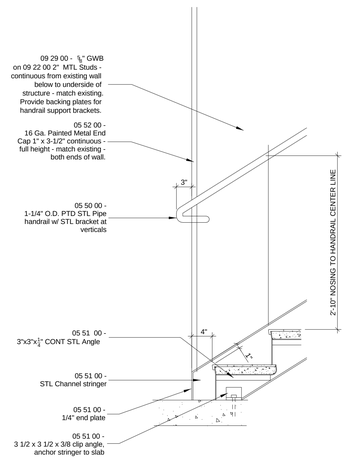
6 STAIR SECTION

0 2' 4' 8'
Scale 1/4" = 1'-0"



5 STAIR DETAIL

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

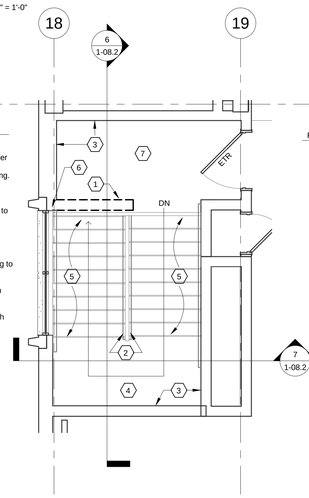


4 STAIR DETAIL

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

FIFTH FLOOR STAIR DEMO PLAN

1. Remove existing masonry wall, provide new gypsum board header and patch gypsum board ceiling. Paint all surfaces to match existing.
2. Handrail, existing to remain.
3. Concrete walls, painted, existing to remain.
4. VCT floor, landings, existing to remain.
5. Rubber treads and risers, existing to remain.
6. Patch wall at demolition to match existing conditions.
7. Remove existing VCT floor at 5th floor level – provide all new per finish schedule.

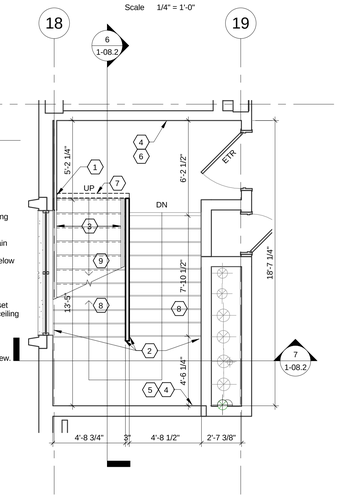


3 FIFTH FLOOR STAIR DEMO PLAN

0 2' 4' 8'
Scale 1/4" = 1'-0"

FIFTH FLOOR STAIR PLAN

1. Patch wall to match existing conditions.
2. Handrail, Existing to Remain
3. Handrail, New
4. Paint all walls, new and existing down to 4th floor level, typ.
5. VCT landing, existing to remain New Gypsum Board header (painted). Set bottom at 1" below Gyp. BD Ceiling.
6. VCT landing, new
7. New GYP BD header (PTD) set bottom at 1" below GYP BD ceiling
8. Rubber Treads and Risers – Existing to Remain
9. Rubber Treads and Risers, new. See Finish Schedule

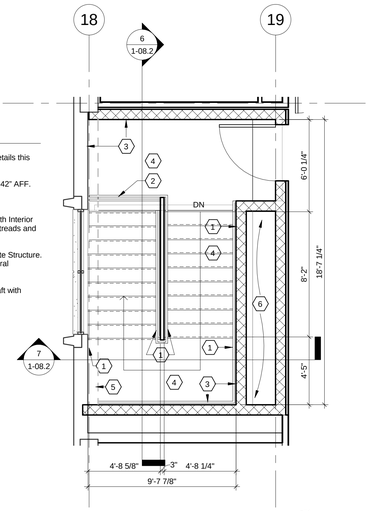


2 FIFTH FLOOR STAIR PLAN

0 2' 4' 8'
Scale 1/4" = 1'-0"

SIXTH FLOOR STAIR PLAN

1. Handrails, new. See details this sheet.
2. Guardrail, new. Top at 42" AFF.
3. Paint all walls, typ.
4. Finishes, Coordinate with Interior drawings, for landings, treads and risers.
5. Line of Existing Concrete Structure. Coordinate with Structural Drawings.
6. Coordinate items in shaft with Mechanical Drawings.



1 6TH FLOOR STAIR PLAN

0 2' 4' 8'
Scale 1/4" = 1'-0"

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BID ISSUE	02/23/15
Revisions:	**Date**

CONSULTANTS:

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Drawing Title
STAIR PLANS AND DETAILS

Approved:

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SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

Drawing Number **1-08.2**

Dwg. of

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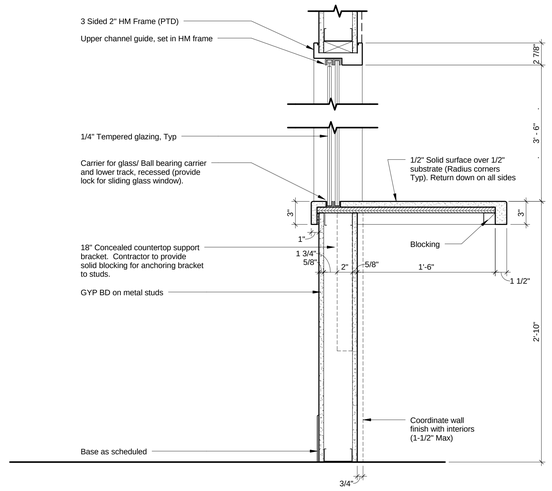
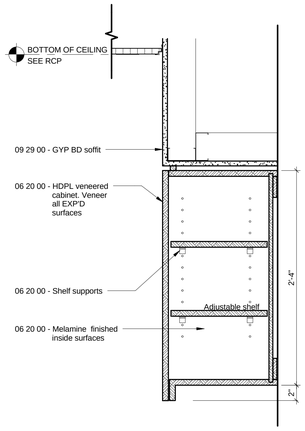


7 DETAIL

0 4" 8" 16"

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



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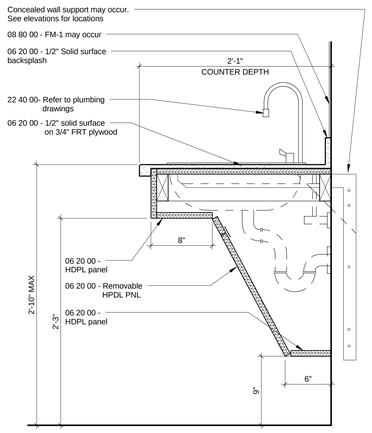
Scale 1 1/2" = 1'-0"



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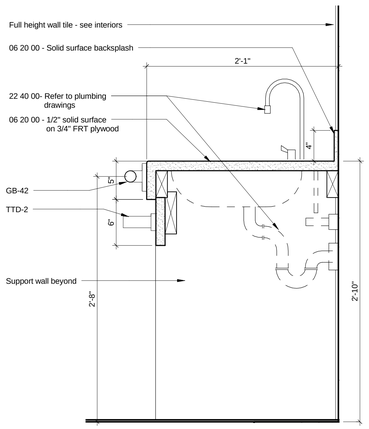

4 DETAIL

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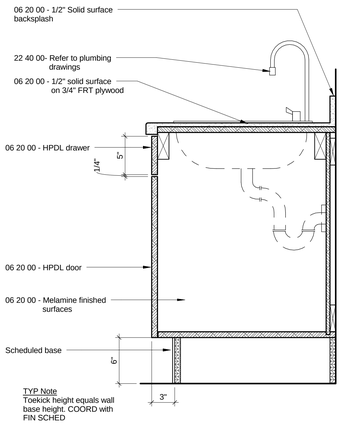

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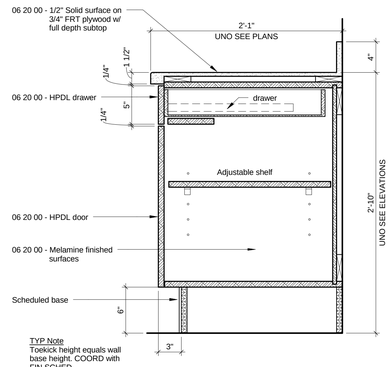

2 DETAIL

0 4" 8" 16"

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

1 DETAIL

0 4" 8" 16"

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

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
DETAILS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

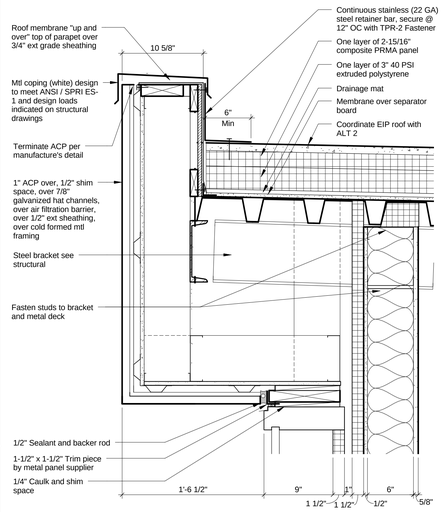
Drawing Number **1-09.1**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



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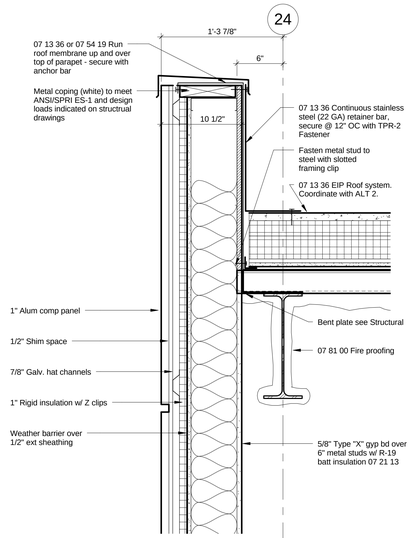

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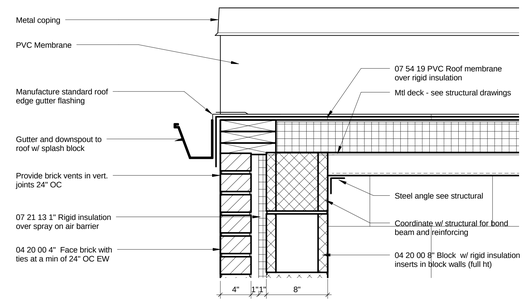
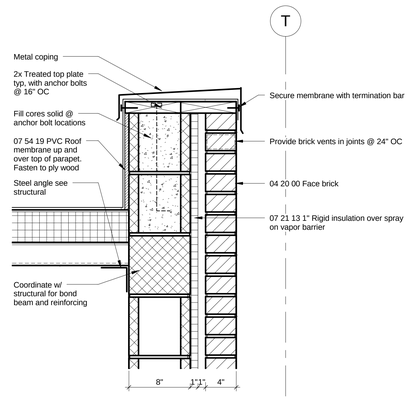
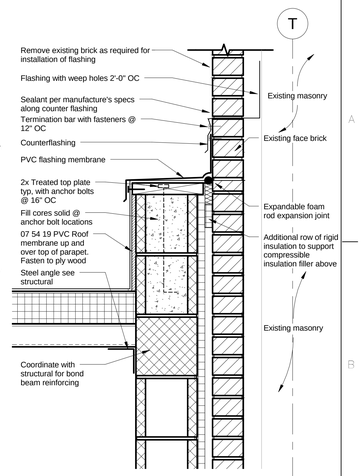
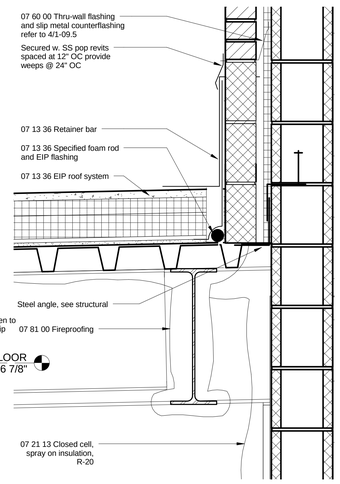


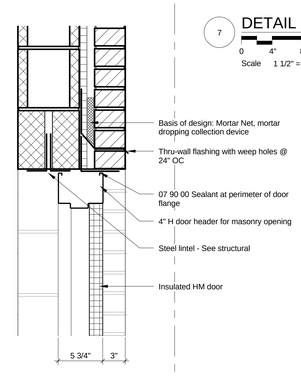


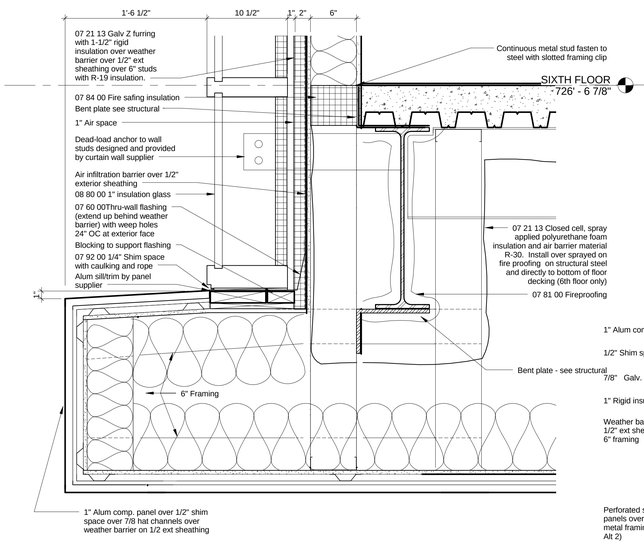


7 DETAIL - LIFT ROOM AGAINST EXISTING BUILDING

0 4" 8" 16"
Scale 1 1/2" = 1'-0"







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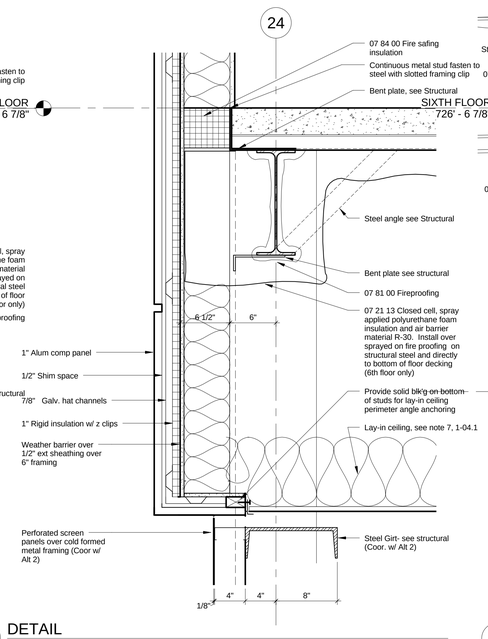

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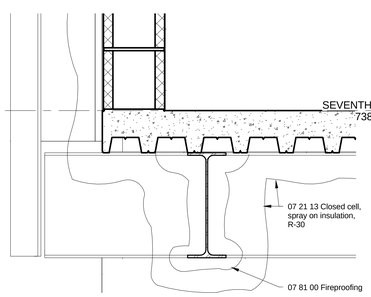

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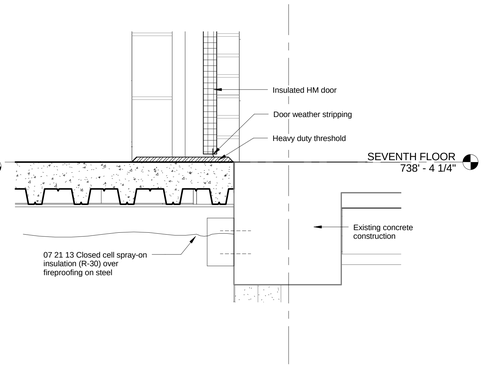

1 DETAIL

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Drawing Title: **DETAILS**

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Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

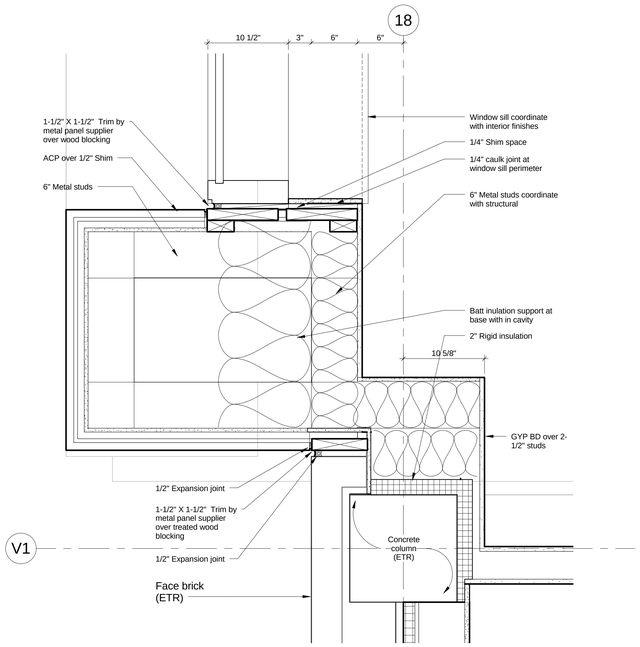
Drawing Number: **1-09.2**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



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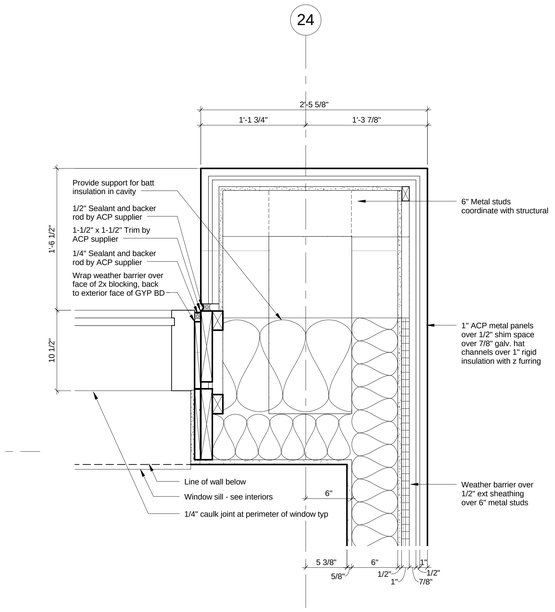

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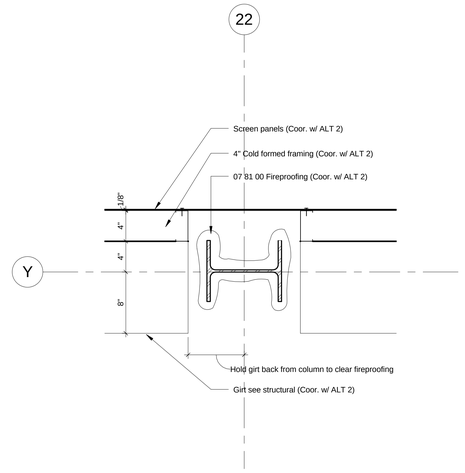

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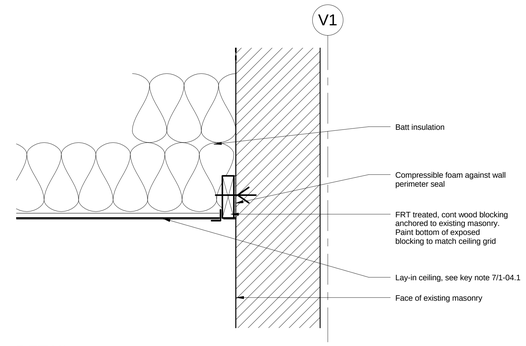

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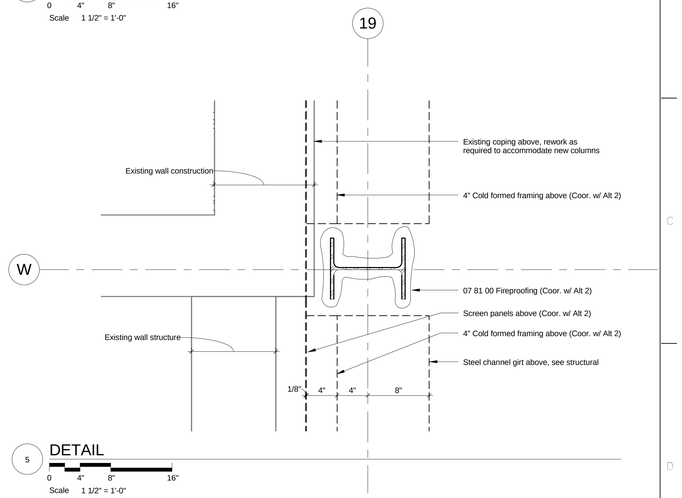

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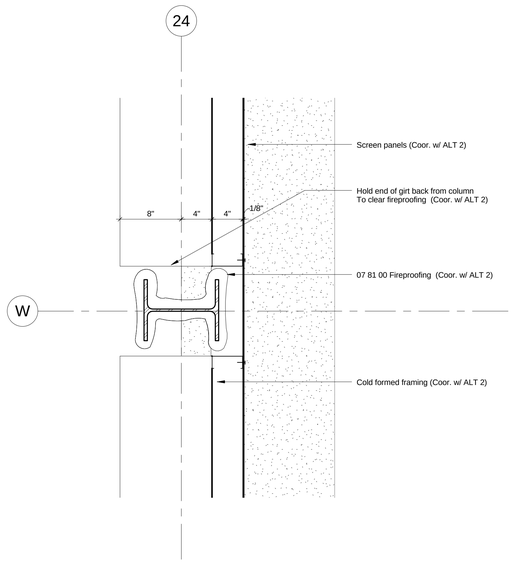

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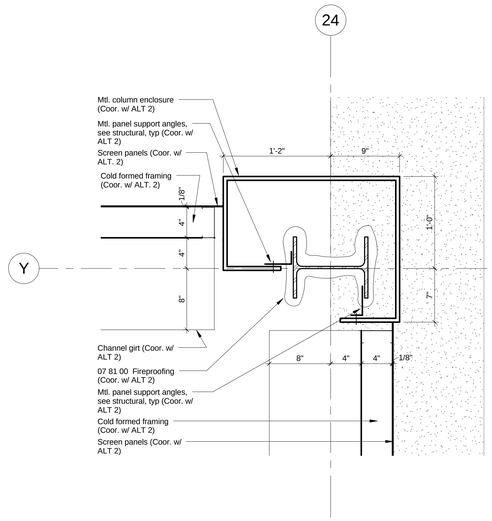

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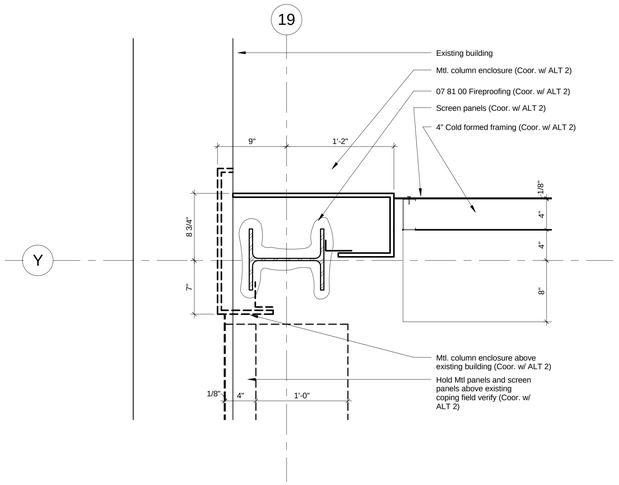

2 DETAIL
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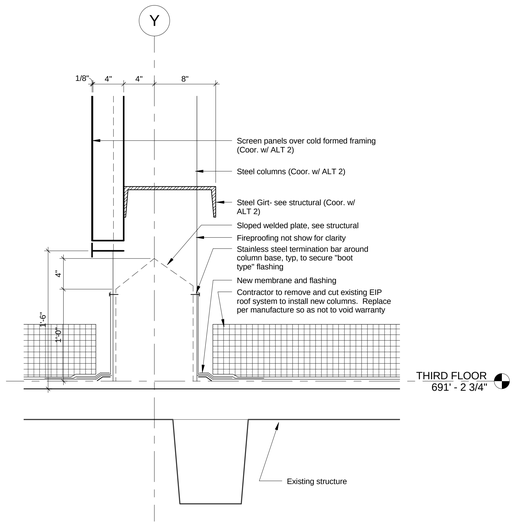

1 DETAIL
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Location
VAMC - WADE PARK

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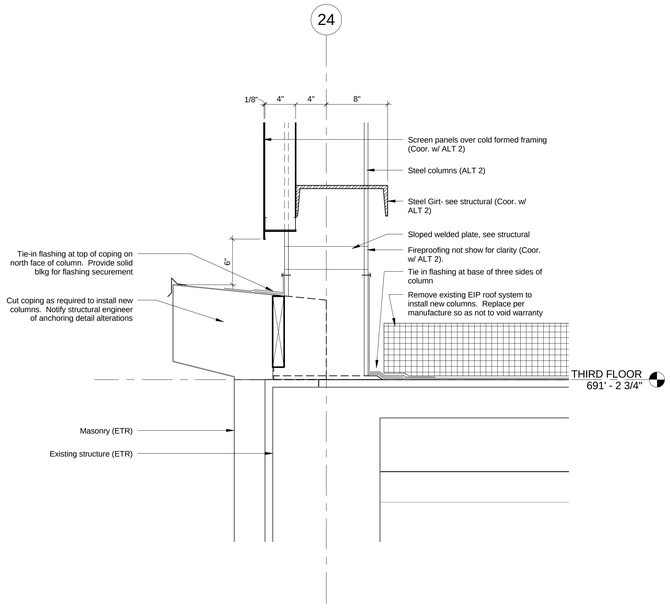
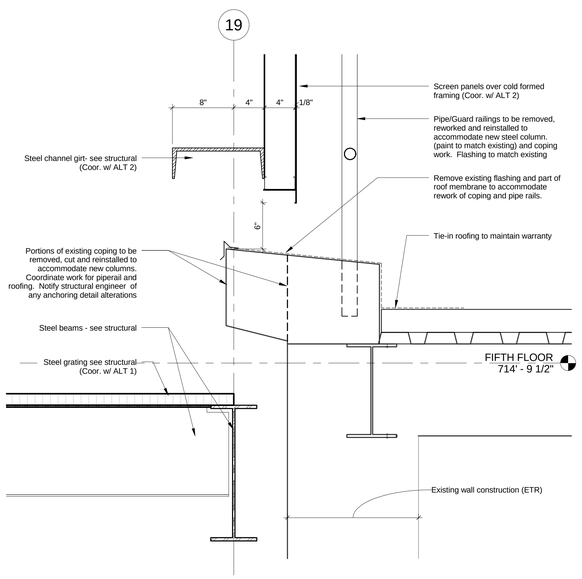


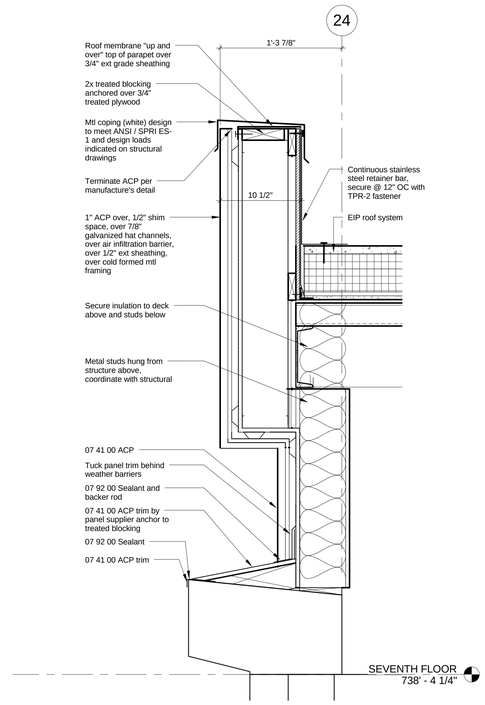
7 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"



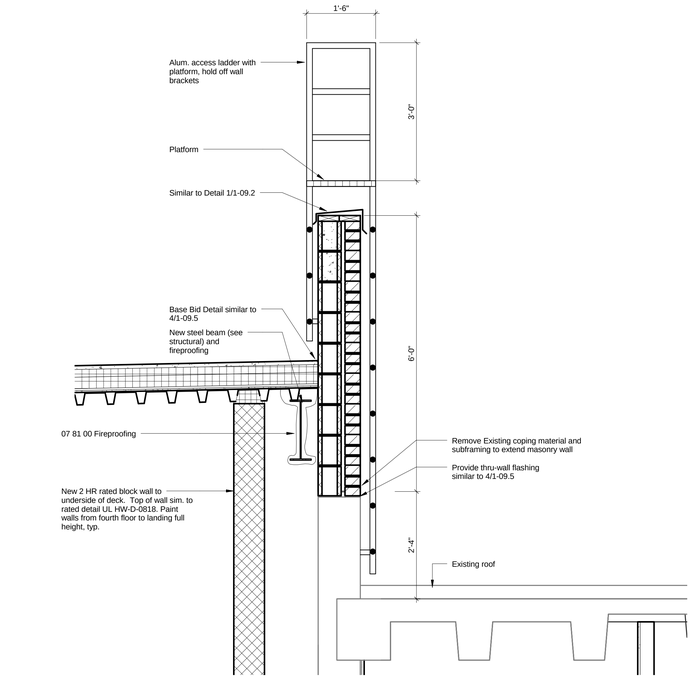
4 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"



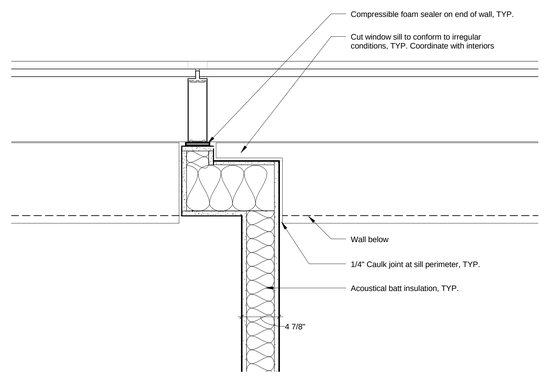
3 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"



9 DETAIL

0 8" 16" 32"
Scale 3/4" = 1'-0"



2 DETAIL

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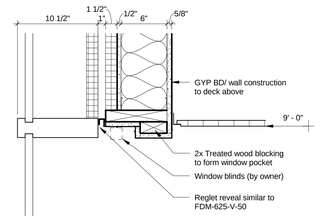
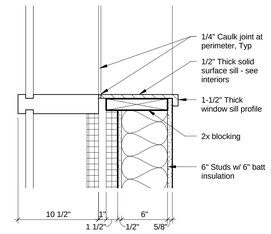
Scale 1 1/2" = 1'-0"



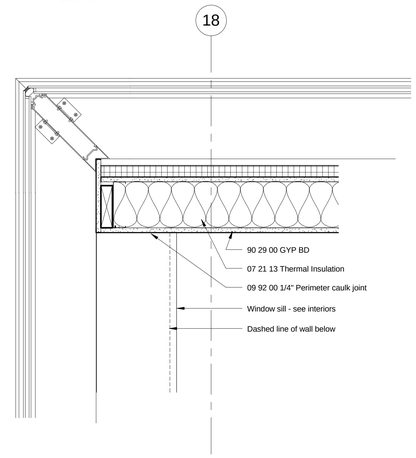
6 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"



5 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"



1 DETAIL

0 4" 8" 16"
Scale 1 1/2" = 1'-0"

FULLY SPRINKLERED

BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
DETAILS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked MS | Drawn BG

Project Number 541-CSI-102

Building Number 1

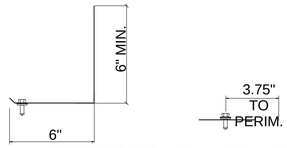
Drawing Number **1-09.4**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



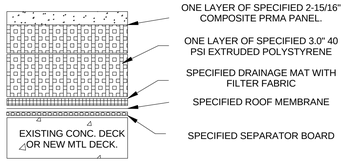
RETAINER BAR. 22 GA. RETAINER PLATE

NOTES:
1. ALL PLATES, BARS AND FASTENERS SHALL BE STAINLESS STEEL AS SPECIFIED.
2. RETAINER PLATE TO BE INSTALLED AT PERIMETER OF OPENINGS IN INSULATION WITH SIDES GREATER THAN 4.0' IN LENGTH.

COMPOSITE INSULATION PANEL RETAINERS

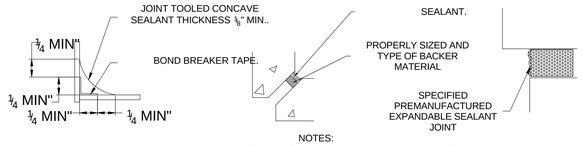
NO SCALE

NOTES:
1. INSULATION AND COMPOSITE INSULATION SHALL BE CUT TO FIT.WITHIN ½" AROUND ALL PROJECTIONS.
2. ALL ROOF SYSTEM COMPONENTS MAY NOT ALWAYS BE NOTED IN EACH DETAIL, BUT THEY ARE TO BE INCLUDED AT ALL DETAILS FOR THE ROOF SYSTEM SHOWN.
3. ALL SEAMS ARE TO BE STRIPPED-IN WITH A 1' WIDE PIECE OF MEMBRANE IN THE FIELD AND UP THE FLASHING TO THE TOP OF THE PAVERS OR COMPOSITE PANEL.



EIP COMPOSITE PRMA ROOF CROSS SECTION

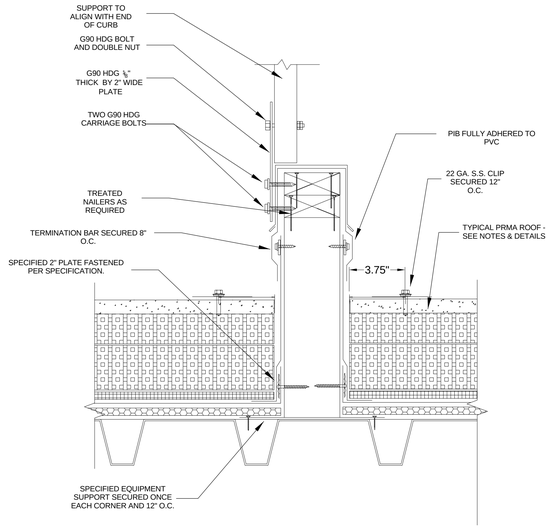
NO SCALE



NOTES:
1. ALL MATERIALS TO RECEIVE SEALANT MUST BE CLEANED AND PRIMED.
2. SEALANT BACKER MATERIALS MUST BE INSTALLED AT ALL LOCATIONS.
3. SEALANT INSTALLATION MUST OCCUR SAME DAY AS REMOVAL. IN ADDITION, BACKER MATERIAL INSTALLATION MUST BE INSTALLED SAME DAY.

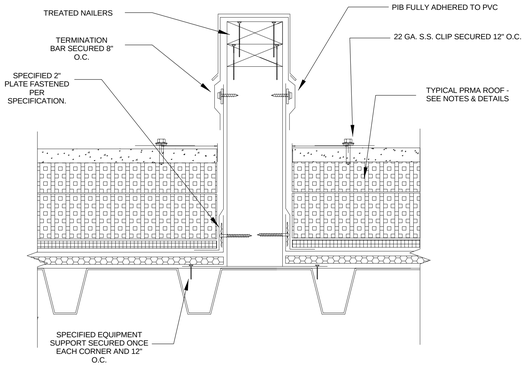
SEALANT INSTALLATION – TYPICAL

NO SCALE



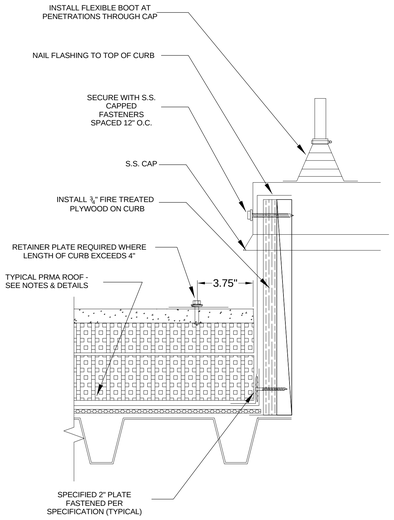
7 EQUIPMENT SUPPORT

0 2' 4' 8'
Scale 12" = 1'-0"



6 EQUIPMENT SUPPORT

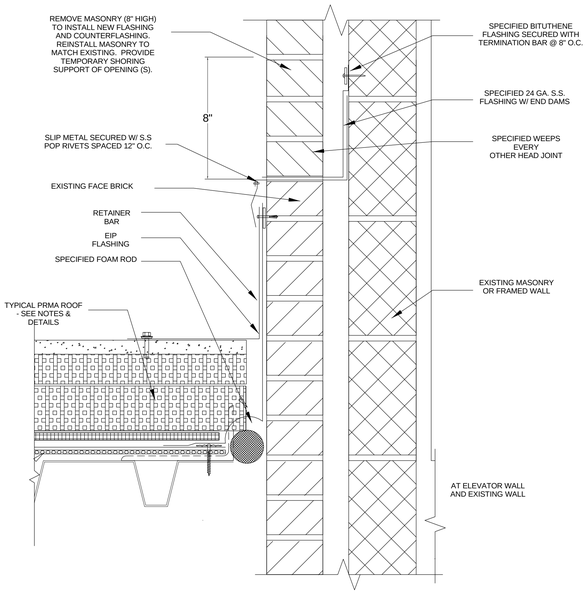
0 2' 4' 8'
Scale 12" = 1'-0"



NOTE:
1. COORDINATE WITH MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.

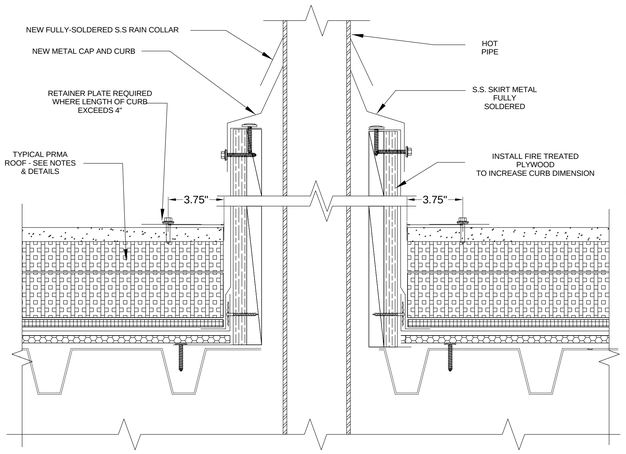
5 PENETRATION CURB

0 2' 4' 8'
Scale 12" = 1'-0"



4 EXPANSION JOINT

0 2' 4' 8'
Scale 12" = 1'-0"



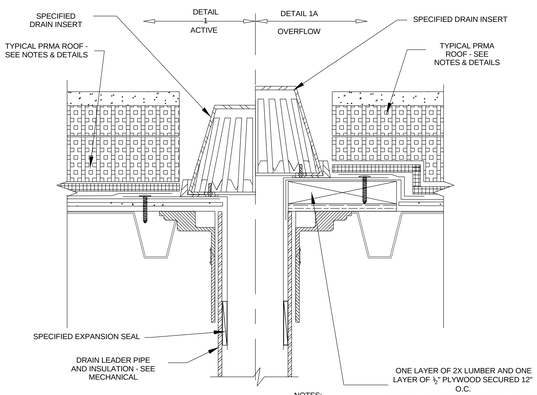
NOTE:
PROVIDE ALL SHORING, MATERIALS, AND ACCESSORIES TO DISCONNECT AND TO CONNECT NEW COMPONENTS.

3 HOT PIPE PENETRATIONS

0 2' 4' 8'
Scale 12" = 1'-0"

Upon the acceptance of Deduct Alternate 2:

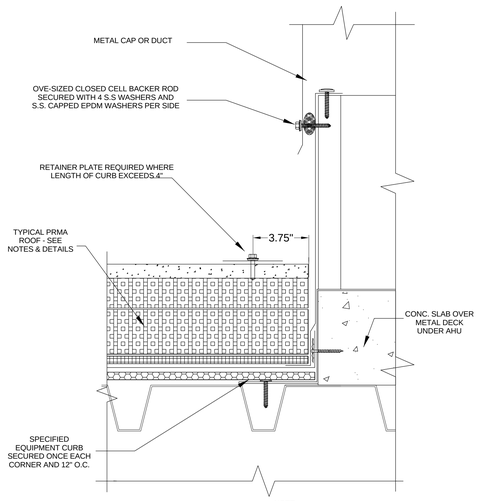
Delete proposed EIP roof system and provide 80 mil, white PVC with KEE, fully adhered roof membrane. Include multiple layers of polyisocyrunate insulation to provide positive drainage and minimum R-20. Details to be per manufacturer's standard details for a fully adhered roof. Coordinate with Drawing 1-03.4



NOTES:
1. SET INSERT IN A FULL BED OF WATER CUTOFF MASTIC.
2. NOTE THAT AT OVERFLOW DRAIN LOCATIONS, 1A SHALL BE USED; WITH ½" PLYWOOD AND 2X DIMENSIONAL LUMBER INSTALLED BELOW THE INSERT FLANGE TO ELEVATE THE INSERT 2" ABOVE THE ROOF DECK SURFACE.

2 ROOF DRAIN INSERTS

0 2' 4' 8'
Scale 12" = 1'-0"



NOTE:
1. ENSURE THAT NEW CURB IS PROPERLY SIZED AND HAS MINIMUM 12" FLASHING HEIGHT ABOVE FINISHED ROOF.

1 NEW ROOF CURB

0 2' 4' 8'
Scale 12" = 1'-0"

FULLY SPRINKLERED

Revisions:	Date
BID ISSUE	02/23/15

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Drawing Title: **ROOF DETAILS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

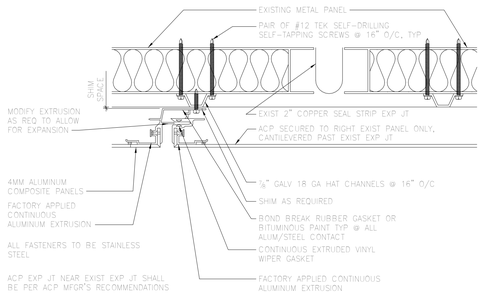
Drawing Number: **1-09.5**

Dwg. of

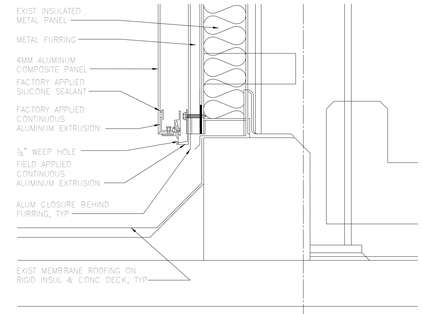
Office of Facilities Management

Department of Veterans Affairs

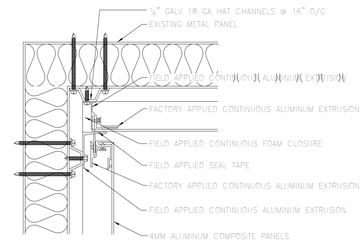
VA FORM 08-6231, OCT 1978



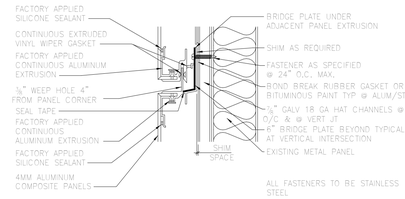
12 ACP VERTICAL EXPANSION JOINT



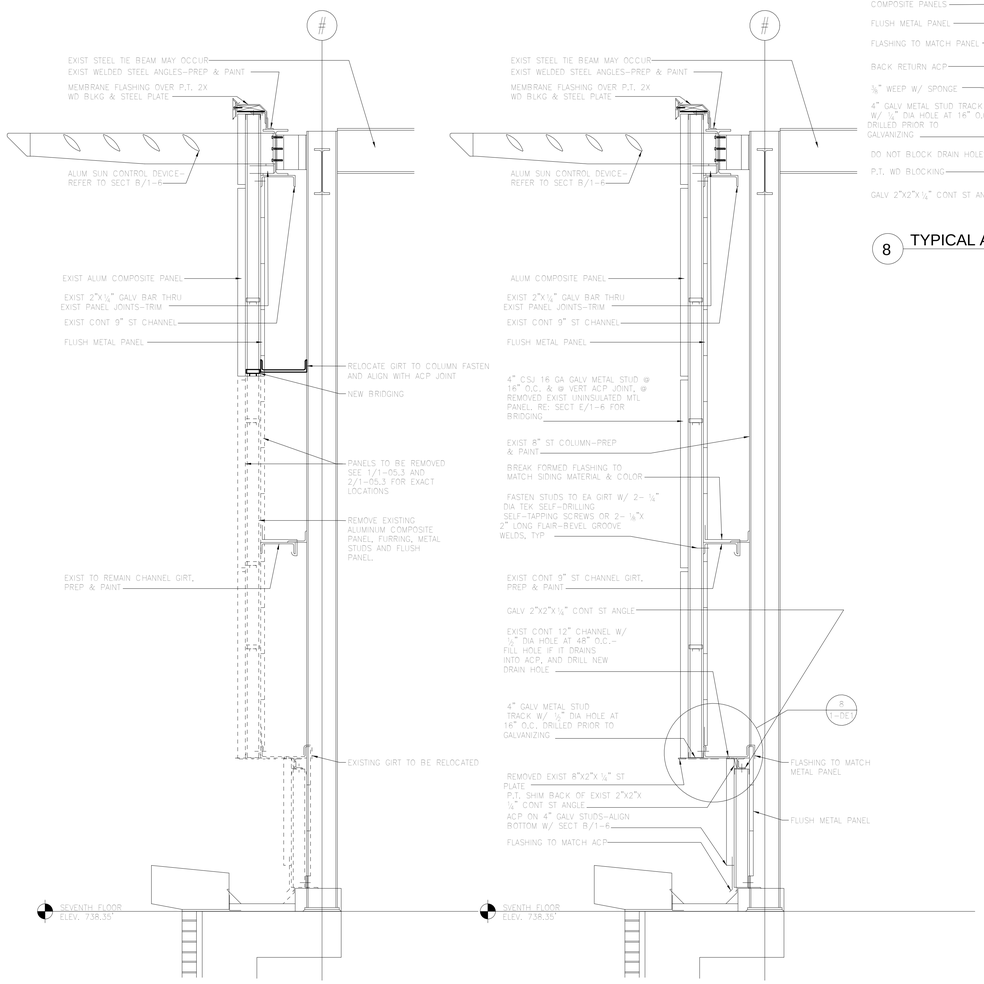
11 ACP BASE @ NORTH & SOUTH PENTHOUSES



10 ACP INSIDE CORNER

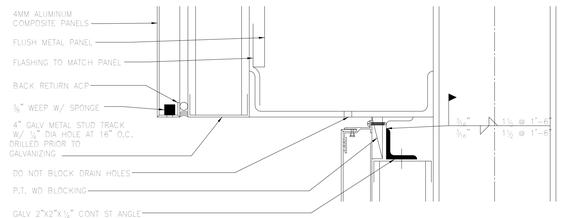


9 TYPICAL ACP HORIZONTAL JOINT

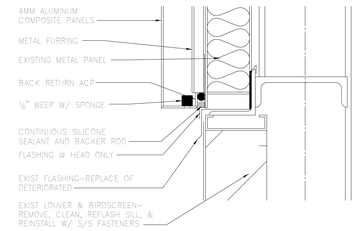


3A SCREEN WALL-MAIN PENTHOUSE

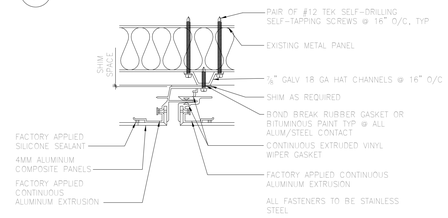
3 TYPICAL EXISTING WALL SECTION @ SCREEN WALL-MAIN PENTHOUSE



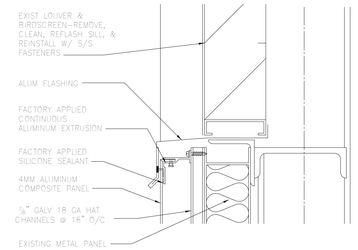
8 TYPICAL ACP BASE @ SCREEN WALL



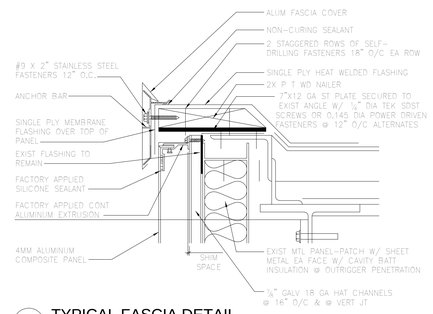
7 LOUVER (DOOR SIM) HEAD (JAMB SIM)



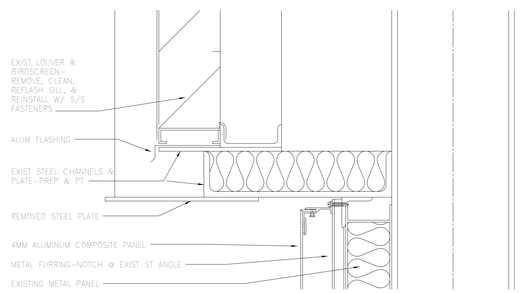
6 TYPICAL ACP VERTICAL JOINT



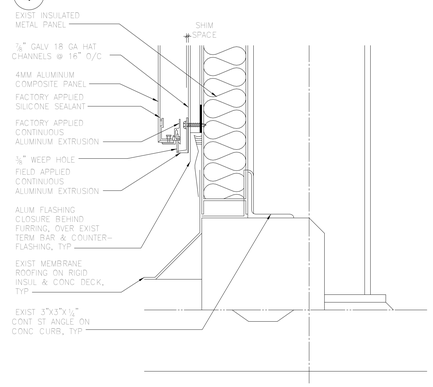
5 TYPICAL LOUVER SILL DETAIL



4 TYPICAL FASCIA DETAIL



2 LOUVER SILL DETAIL



1 TYPICAL ACP BASE DETAIL @ MAIN PENTHOUSE

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title: **EXISTING ROOF SCREEN AND DETAILS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/2015 | Checked: MS | Drawn: BG

Project Number: 541-CSI-102

Building Number: 1

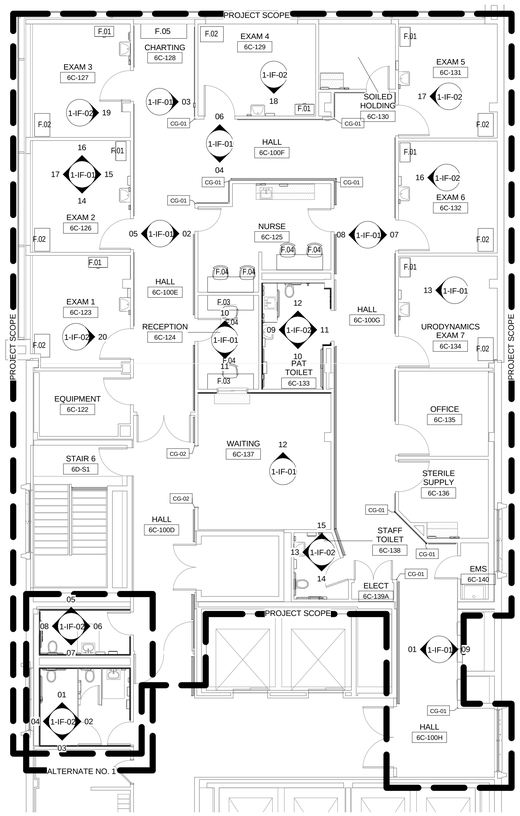
Drawing Number: **1-10.1**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

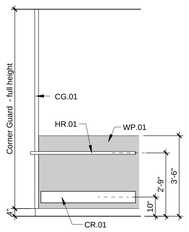
VA FORM 08-6231, OCT 1978



23 PARTIAL 6th FLOOR PLAN

Scale 1/8" = 1'-0"

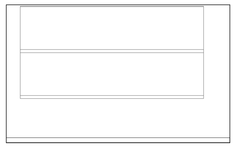
FURNITURE KEY- Provided by Owner	
Type Mark	Description
F.01	Furniture, File cabinet
F.02	Furniture, Desk, 24"D x 36"W
F.03	Furniture, Reception Work Station
F.04	Furniture, Task Chair
F.05	Furniture, Charting



18 Wall Protection Mounting Heights - Typical

Scale 3/8" = 1'-0"

ELEVATIONS THIS SHEET SHOWN FOR COORDINATION OF FINISHES ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR CASEWORK AND ADDITIONAL INFORMATION

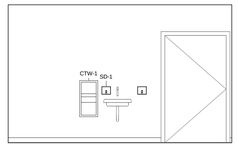


17 EXAM 2 6C-126 - W

Scale 1/4" = 1'-0"

16 EXAM 2 6C-126- N

Scale 1/4" = 1'-0"

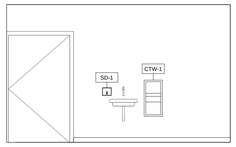


15 EXAM 2 6C-126- E

Scale 1/4" = 1'-0"

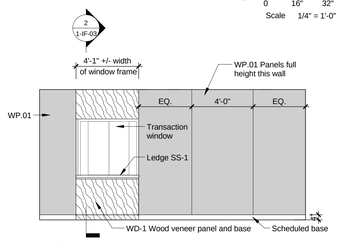
14 EXAM 2 6C-126 - S

Scale 1/4" = 1'-0"



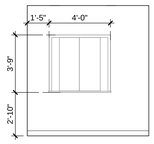
13 URODYNAMICS EXAM 7 6C-134 - W

Scale 1/4" = 1'-0"



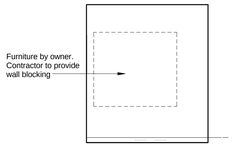
12 WAITING 6C-137 - N

Scale 1/4" = 1'-0"



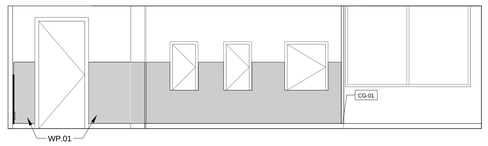
11 RECEPTION 6C-124C - S

Scale 1/4" = 1'-0"



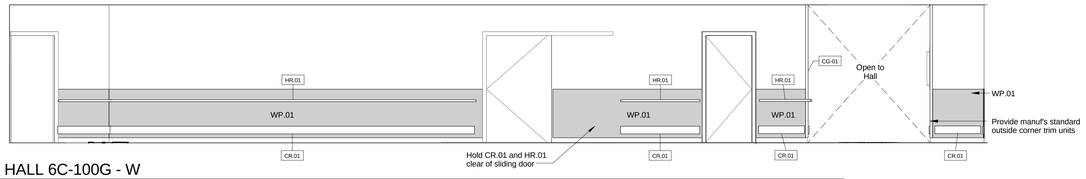
10 RECEPTION 6C-124 - N

Scale 1/4" = 1'-0"



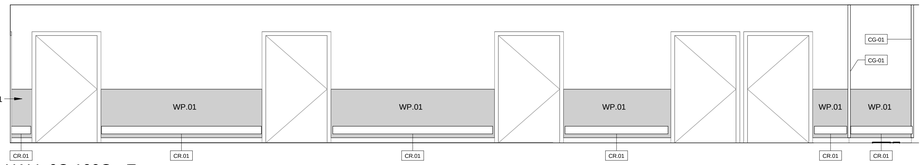
09 HALL 6C-100H - E

Scale 1/4" = 1'-0"



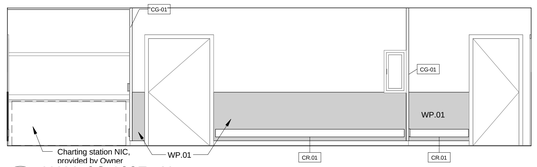
08 HALL 6C-100G - W

Scale 1/4" = 1'-0"



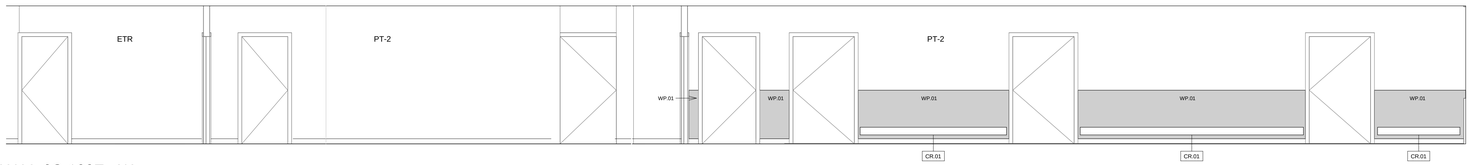
07 HALL 6C-100G - E

Scale 1/4" = 1'-0"



06 HALL 6C-100F - N

Scale 1/4" = 1'-0"



05 HALL 6C-100E - W

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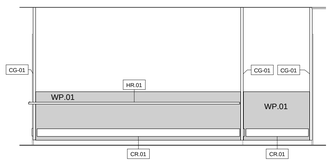
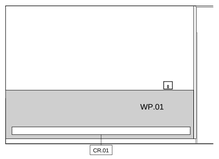


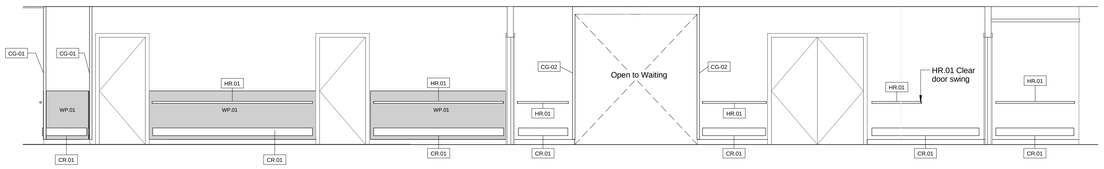
04 HALL 6C-100F - S

Scale 1/4" = 1'-0"



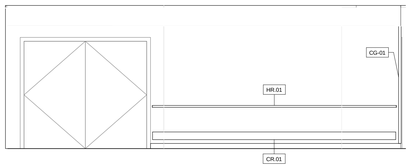
03 CHARTING 6C-128 - E

Scale 1/4" = 1'-0"



02 HALL 6C-100E - E

Scale 1/4" = 1'-0"



01 HALL 6C-100H - W

Scale 1/4" = 1'-0"

General Notes

1. Refer to legend this sheet for typical mounting heights of wall protection, unless noted otherwise.
2. All cabinet door/drawers to be lockable, UNO
3. Provide filler panels at cabinets as required to extend to walls, and to assure smooth operation of components.

FULLY SPRINKLERED

Bid Issue	02/23/15
Revisions:	**Date**

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Drawing Title
INTERIOR FINISH ELEVATIONS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/2015 | Checked EV | Drawn EV

Project Number 541-CSI-102

Building Number 1

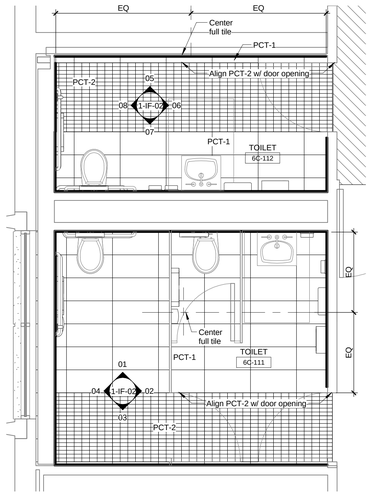
Drawing Number **1-IF-01**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

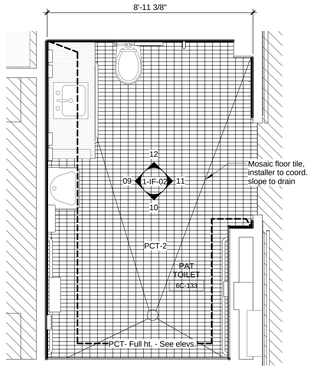
VA FORM 08-6231, OCT 1978



23 ENLARGED TOILET PLAN 6C-111, 112

0 16" 32" 64"
Scale 3/8" = 1'-0"

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE #1: DELETE THE WORK ASSOCIATED WITH THE DEMOLITION AND BUILD OUT OF TOILET ROOMS 6C-111 AND 6C-112. CONTRACTOR TO PROVIDE NEW CORRIDOR WALL/ CONSTRUCTION TO PROVIDE CORRIDOR 6C-100D. COORDINATE WITH SHEET I-03.2



22 ENLARGED TOILET PLAN 6C-133

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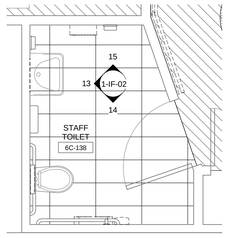
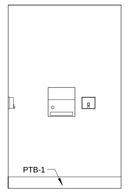
Scale 3/8" = 1'-0"



21 ENLARGED TOILET PLAN 6C-138

0 16" 32" 64"
Scale 3/8" = 1'-0"

TOILET ROOM ELEVATIONS AND PLANS SHOWN FOR COORDINATION OF FINISHES ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR TOILET ACESSORY MOUNTING HEIGHTS, ACCESSORY LEGEND AND ADDITIONAL DETAILS



15 STAFF TOILET 6C-138 - N

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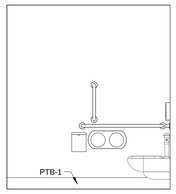
Scale 3/8" = 1'-0"



14 STAFF TOILET 6C-138 - S

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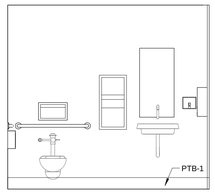

13 STAFF TOILET 6C-138 - W

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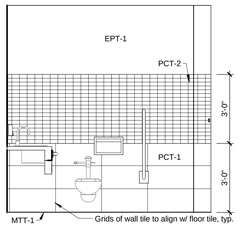
Scale 3/8" = 1'-0"



12 PAT. TOILET 6C-133 - N

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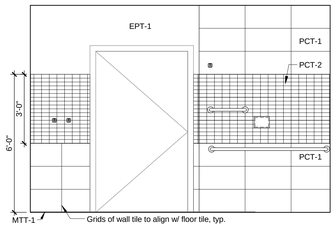

11 PAT. TOILET 6C-133 - E

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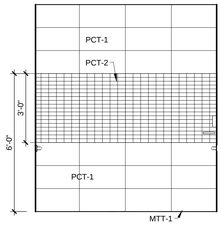

10 PAT. TOILET 6C-133 - S

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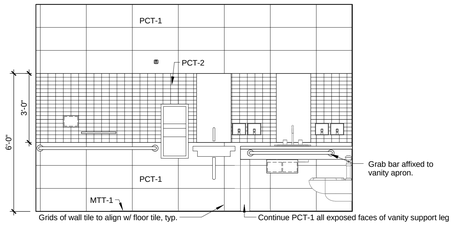

09 PAT. TOILET 6C-133 - W

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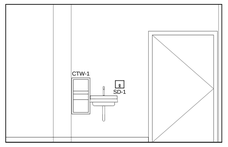
Scale 3/8" = 1'-0"



20 EXAM 1 6C-123 - E

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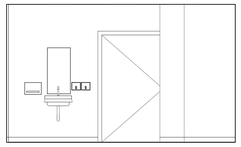
Scale 1/4" = 1'-0"



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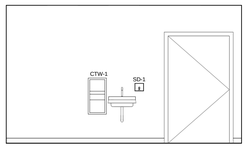

18 EXAM 4 6C-129- S

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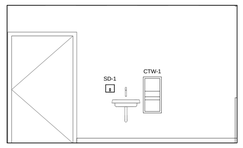
Scale 1/4" = 1'-0"



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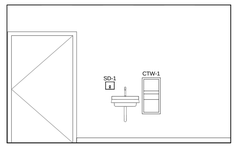

16 EXAM 6 6C-132- W

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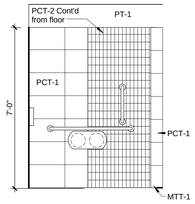
Scale 1/4" = 1'-0"



08 TOILET 6C-112 - W

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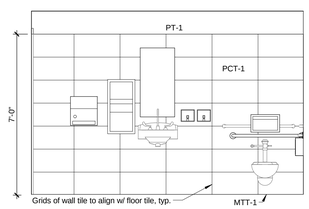
Scale 3/8" = 1'-0"



07 TOILET 6C-112 -S

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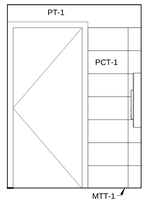

06 TOILET 6C-112 - E

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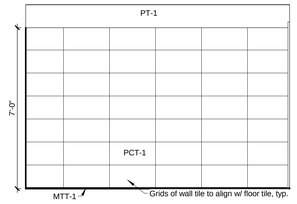
Scale 3/8" = 1'-0"



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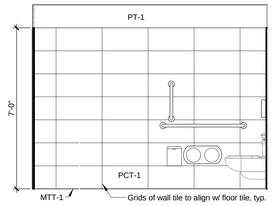
Scale 3/8" = 1'-0"



04 TOILET 6C-111 - W

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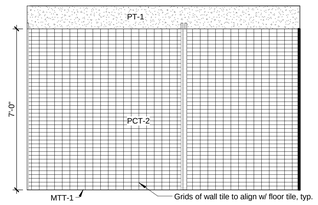
Scale 3/8" = 1'-0"



03 TOILET 6C-111 - S

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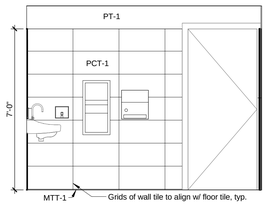

02 TOILET 6C-111 - E

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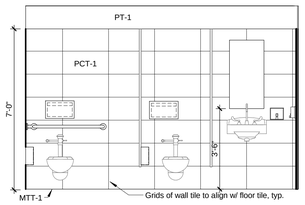
Scale 3/8" = 1'-0"



01 TOILET 6C-111 - N

0 16" 32" 64"
Scale 3/8" = 1'-0"

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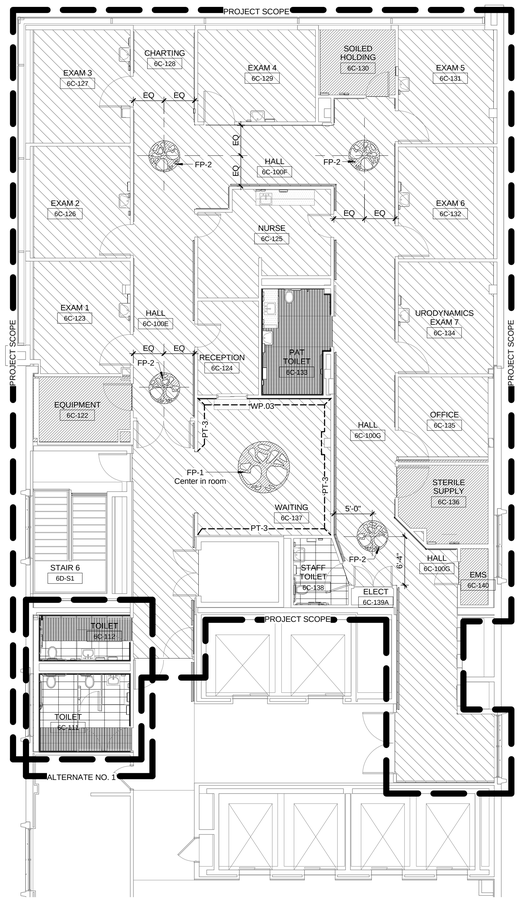
Drawing Title: **ENLARGED TOILET RM. PLANS & FINISH ELEVATIONS**	Project Title: **SCI OUTPATIENT CLINIC ADDITION**	Project Number: 541-CSI-102	**Office of Facilities Management**
Approved:	Location: **VAMC - WADE PARK**	Building Number	
	Date: 02/23/15 / Checked: EV / Drawn: EV	Drawing Number: **1-IF-02** Dwg. of	Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 PARTIAL 6th FLOOR FINISH PLAN

0 16" 32" 64"
Scale 1/8" = 1'-0"

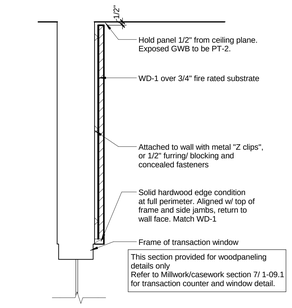
FINISH PLAN MATERIAL LEGEND

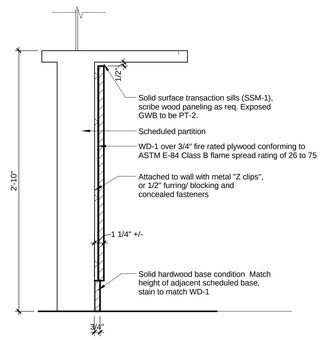
RSF-1

RSF-5

PCT-1

PCT-2





2 Wood panel @ Reception

0 16" 32" 64"
Scale 1 1/2" = 1'-0"

FINISH SCHEDULE

Number	Name	Floor Finishes: Floor	Floor Finishes: Base	Wall Finish	Paint Sheen	Door Trim	Millwork Finishes: Countertop	Millwork Finishes: Wall & Base Cabinets	Wall Protection	Ceiling Finish	Comments
SCI SIXTH FLOOR											
6C-100D	HALL	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-100E	HALL	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-100F	HALL	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-100G	HALL	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-100H	HALL	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-111	TOILET	PCT-1/PCT-2	MTT-1	PT-1/PCT- [multi]	SG	PT-4	SSM-1		WP.01/CR.01/ HR.01/ CG-1*	ACT-2	*See finish schedule notes: 1,2, 8
6C-112	TOILET	PCT-1/PCT-2	MTT-1	PT-1/PCT- [multi]	SG	PT-4	SSM-1			ACT-2	*See finish schedule notes: 1,2, 8
6C-122	EQUIPMENT	RSF-5	INT-1	PT-1	SG	PT-4			WP.01	ACT-1	See finish schedule notes: 6
6C-123	EXAM 1	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-124	RECEPTION	RSF-1	RB-1	PT-1	SA	PT-4	SSM-1			ACT-1/GWB	
6C-125	NURSE	RSF-1	RB-1	PT-1	SA	PT-4	SSM-1	PL-1		ACT-1	
6C-126	EXAM 2	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-127	EXAM 3	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-128	CHARTING	RSF- [multi]	RB-2	PT-2	SA	PT-4			WP.01/CR.01/ HR.01/ CG-1*	ACT-1	See finish schedule notes: 1, 5
6C-129	EXAM 4	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-130	SOILED HOLDING	RSF-5	INT-1	EPT-1	-	PT-4	SSM-1	PL-1	WP.01	ACT-2	See finish schedule notes: 6
6C-131	EXAM 5	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-132	EXAM 6	RSF-1	RB-1	PT-1	SA	PT-4			N/A	ACT-1	See finish schedule notes: 1
6C-133	PAT TOILET	PCT-2	MTT-1	EPT-1/PCT- [multi]	-	PT-4	SSM-1	-		GWB (EPT-1)	See finish schedule notes: 2
6C-134	URODYNAMICS EXAM 7	RSF-1	RB-1	PT-1	SA	PT-4	SSM-1	PL-1	N/A	ACT-1	See finish schedule notes: 1
6C-135	OFFICE	RSF-1	RB-1	PT-1	SA	PT-4				ACT-1	
6C-136	STERILE SUPPLY	RSF-5	INT-1	PT-1	SG	PT-4	SSM-1	PL-1		ACT-1	
6C-137	WAITING	CPT-1	RB-2	PT-2/PT-3/ WD-1	EG	PT-4	SSM-1		WP.01	ACT-2/GWB	See finish schedule notes: 1,2
6C-138	STAFF TOILET	PCT-1	PCB-1	PT-1	SG	PT-4				ACT-2	
6C-139A	ELECT	RSF-1	RB-1	PT-1	SG	PT-4				EXP	
6C-140	EMS	RSF-5	INT-1	PT-1	SG	PT-4			WP.01	ACT-1	See finish schedule notes: 6
6D-S1	STAIR 6	VCT-1/ RTR-1	RB-1	PT-1	SG	PT-4					See finish schedule notes: 7

FINISH SCHEDULE KEYNOTES

1 Multiple floor finishes occur this area. See finish plan 1-IF-03
2 Multiple wall finishes occur this area. See finish plan 1-IF-03
3 Refer to 1-IF-02 for tile heights and pattern at Tlt. Rm. walls
4 Refer to 1-IF-02 for tile floor patterns at Tlt. Rms.
5 Wall protection occurs this area. Refer to elevations, sheet 1-IF-01
6 Impact Wallcovering WP.01 to 7'2" all walls this area, finish with stainless top trim.
7 Stainwell landing to receive VCT-1. Risers and treads RTR-1
8 Deduct alternate #1

MATERIAL LEGEND

INTERIOR ARCHITECTURAL WOODWORK 06 40 23

PL-1 / Plastic Laminate
Manuf: Formica
Color: Earthen Warp 5888-58
Note: for use at all base and wall cabinets

SSM-1/ Solid Surface:
Manuf: Zodiaq
Color: Astral Pearl
Note: for use at all millwork vanities and countertops

SSM-2/ Solid Surface:
Manuf: Corian
Color: Grade 2, To be selected by VA Designer
Note: for use at window sills

WD-1/ Wood Veneer:
Species/ Cut: Red Oak, Rift Sliced
Color: Stained similar to Pionite/ WY351 Jewel Mahogany
Note: Submit range of 3 stained samples for final selection.

TILING 09 30 00

PCT-1/ Porcelain Tile
Manuf: Daltile
Style/ Dimensions: Spark, 12"x24"
Color: SK52 Toasted LusteR
Note: Exposed top edges to be finished with MTT-2

PCT-2/ Porcelain Tile
Manuf: Daltile
Style/ Dimensions: Spark, Mosaic Blend 12"x12" Sheet
Color: Toasted Luster Blend
Note: Exposed top edges to be finished with MTT-2

PCB-1/ Porcelain Tile Base
Manuf: Daltile
Style/ Dimensions: Spark, 6" Cove Base Trim
Color: S-36C97B Toasted Luster

MTT-1/ Metal Tile Cove Trim
Manuf: Schluter
Style: DILEX Stainless steel cove base trim

RESILIENT BASE AND ACCESSORIES 09 65 13

RB-1/ Resilient Base
Manuf: Johnsonite
Style: Tightlock Continuous 4" base, coved profile
Color: 283 Toast

RB-2/ Resilient Base
Manuf: Johnsonite
Style: Millwork Reveal
Color: 283 Toast

RESILIENT SHEET FLOORING 09 65 16

RSF-1/ Resilient Sheet Flooring
Manuf: Shaw
Style: Naturelife
Color: Antique Mahogany 002V 09446

RSF-2/ Resilient Sheet Flooring
Manuf: Shaw
Style: Basstones
Color: Coffee Echo 00300

RSF-3/ Resilient Sheet Flooring
Manuf: Shaw
Style: Basstones
Color: Coastal Tempo 00300

RSF-4/ Resilient Sheet Flooring
Manuf: Shaw
Style: Basstones
Color: Aqua Tone 00360

RSF-5/ Resilient Sheet Flooring
Manuf: Shaw
Style: Basstones
Color: Stanza Sage 00320

FP-1/ Floor Pattern Medallion
Manuf: Shaw
Method: Laser cut, 4 color pattern
Dimension: 7'-0" dia.
Note: See FP- image this sheet. Architect to supply graphic image to manufacturer for production

FP-2/ Floor Pattern Medallion
Manuf: Shaw
Method: Laser cut, 4 color pattern
Dimension: 4'-0" dia.
Note: See FP- image this sheet. Architect to supply graphic image to manufacturer for production

INT-1/ Integral Base
To match specified flooring material
Height: 6" with metal cove trimcap

VCT-1/ Vinyl Composition Tile
Manuf: Armstrong
Style: Standard Excelon
Color: To be selected by VA interior designer
Note: for use at stair landing

RTR-1/ Resilient Riser-Tread Unit
Manuf: Johnsonite
Style: VIFRPATR Tread/Riser combo for visually impaired
Pattern: Rice Paper
Color: To be selected by VA interior designer

INTERIOR PAINTING 09 91 23
See finish schedule for paint sheen

PT-1 / Paint
Manuf: Sherwin Williams
Color: SW7036 Accessible Beige

PT-2 / Paint
Manuf: Sherwin Williams
Color: SW2855 Sycamore Tan

PT-3 / Paint
Manuf: Sherwin Williams
Color: SW6207 Retreat

PT-4 / Paint - All HM Doorframes
Manuf: Pratt and Lambert
Color: Winslow Grey 2270
Note: Semigloss Enamel

EPT-1 / Epoxy Paint
Manuf: Sherwin Williams
Color: To Match SW7036 Accessible Beige

WALL AND DOOR PROTECTION 10 26 00

CG-01/ Cornerguard
Manuf: Koroguard
Model: G100 Series Surface Mounted Cornerguard
Height: Full wall height
Color: Brushed Aluminum
Provide specialty angled units where required @ non 90 degree conditions

CG-02/ Partition Endguard
Manuf: Koroguard
Model: R110 Series Recess Mounted Endguard
Height: Full wall height
Color: Brushed Aluminum

HR-01/ Wall Protection Handrail
Manuf: Koroguard
Model: Versarail Handrail. 1 1/2" wood handrail and 4" vinyl crashrail combination unit.
Color: Wood to be selected from full range of standard options
Vinyl: New Slate

CR-01/ Wall Protection Crashrail
Manuf: Koroguard
Model: C460 Crashguard, 4" profile
Color: New Slate

WP-03/WP-02 - *not used*

WP-03/ Wall Protection Impact Wallcovering
Manuf: Koroseal
Style: Traffic Patterns
Color: Patty Madden/ KUMI, LXB-KUM #18 Pewter
Provide color match sealant at all seams and edges, do not use Manuf's trim edges.

ACOUSTICAL CEILING PANEL 09 51 00

ACT-1/ General Ceiling Tile
Refer to specification sections

ACT-2/ Clean Room Ceiling Tile
Refer to specification sections

GENERAL NOTES

GENERAL

1. All finishes shall comply with and be installed in accordance with all applicable local codes and ordinances.
2. Finish drawings supersede architectural drawings for finish materials, colors and locations only.
3. Finish samples shall be submitted to interior designer for approval before purchasing and installation.
4. Refer to elevations for locations of wall protection: Handrails, Crashrails, and High Impact Wall Protection
5. Refer to reflected ceiling plans for ceiling materials
6. All windowsills to be SSM-2

FLOORING

1. Flooring contractor is to field verify all existing conditions and notify designer of any discrepancies.
2. General contractor is to prep walls as necessary for new base. Base shall appear smooth and flat after installation.
3. Provide new base and floorcovering as specified throughout. Flooring contractor to prep floors as necessary for new finishes.
4. General Contractor to provide temporary protection on all new flooring.
5. The flooring contractor shall submit a seaming diagram showing all seams and dimensions, etc. and welding rod color samples for review and approval by the designer.
6. Flooring contractor to clear caulk at top of metal cap on integral base, and at all doorframes where new resilient flooring has been installed.
7. Install resilient flooring per manufacturer's recommendations. Existing floor to be properly cleaned and prepared. Skim coat with ardex to produce a smooth and flat surface. Use epoxy adhesive at exterior entrances, 36" minimum. Clear caulk to be used at the thresholds.
8. All flooring to run continuous under all millwork, in toe spaces, under plumbing fixtures, and in all alcoves.
9. Flooring contractor to provide clear caulk at bottom of all door frames where new resilient flooring has been installed within project limit.
10. The carpet contractor shall prep floor as necessary to ensure that the top surface of all adjacent carpets are to be flush regardless of pile height.
11. Transition and reducing strips are to be installed at all changes in floor material and/or elevation that occurs in areas to be newly finished. Refer to Typ. Flooring Transition Details this sheet. Verify with designer each condition and type of transition and/or reducing strip to be used prior to installation. Float floor as required for smooth/flush transition between material changes. Contractor to verify in field exact location of new transition strip. Transition to be installed at center of door in the closed position.
12. Existing clean out cover plates are to remain and be cleaned. Vinyl tile is to be cut around clean out with silicone to finish the edges. Carpet is to be cut around clean out with cover plate covering raw edges.

WALLS

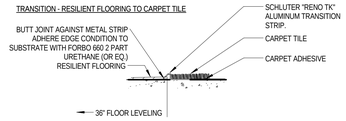
1. Prep walls for new finishes. Patch and repair walls to create a smooth uniform finish. Where wall covering is being removed, wall finish to be equivalent to finish level v.
2. Painting contractor to apply at least two coats of paint. Each coat to be equal to 1.6 mil. Apply more if necessary to cover existing color.
3. Painting contractor shall paint all misc. metal items that have previously been painted such as electrical panel covers, fire hose cabinet, etc. to match adjacent wall color. Where misc. metal items have original factory finish, verify intended finish with designer.
4. Painting contractor to paint all existing and new ceiling and wall mounted electrical wire mold and conduit to match adjacent wall color regardless of existing finish.
5. All existing grills in doors and walls that are to remain shall be wire brush cleaned and all paint drips to be sanded for a smooth finish. All grills to be painted.
6. Painting contractor to submit samples of stained crown moulding, chairrail, base and handrails to designer for approval.
7. All existing/relocated wood doors shall be touched up and sanded as necessary for a smooth finish.
8. All new wood doors to be stained with a factory finish to match existing stained wood doors. contractor to submit a range of samples to designer for approval.
9. Painting contractor to provide attic stock of each paint/stain (1 gallon each). label each can with project name, room location, color name, color number and finish type. attic stock to be delivered to owner.
10. Wallcovering contractor to provide attic stock of each wall- covering (15%). location and manufacturer's information labeled on each roll. attic stock to be delivered to owner.

WALL PROTECTION

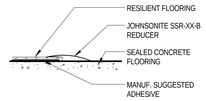
1. Terminate bumper rails 2" offset from door frames and corners, and corner guards. Finish with manufacturers endcap trim.
2. Terminate hand rails 2" offset from door frames and inside corner conditions. Finish with manufacturers endcap trim. Outside corner conditions to be wrapped with manufacturers corner piece.

TYPICAL FINISHED FLOORING TRANSITION DETAILS

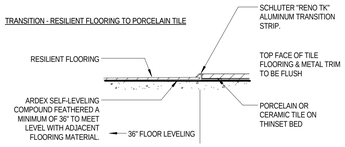
TRANSITION - RESILIENT FLOORING TO CARPET TILE



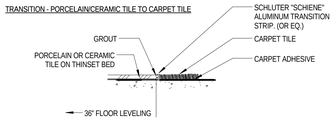
TRANSITION - RESILIENT FLOORING TO SEALED CONCRETE



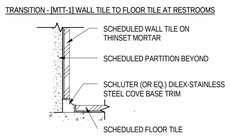
TRANSITION - RESILIENT FLOORING TO PORCELAIN TILE



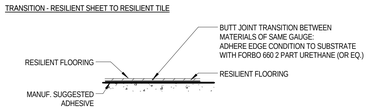
TRANSITION - PORCELAIN/CERAMIC TILE TO CARPET TILE



TRANSITION - [MTT-1] WALL TILE TO FLOOR TILE AT RESTROOMS



TRANSITION - RESILIENT SHEET TO RESILIENT TILE



Custom medallion pattern to be comprised of RSF-2, RSF-3 and RSF-4. Submit shop drawing to Owner.

Image available from Architect

DESIGN IMAGE FOR FP-1 AND FP-2 LASER CUT FLOORING PATTERN MEDALLION

NOT TO SCALE

FULLY SPRINKLERED

Bid Issue	02/23/15
Revisions:	Date

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Drawing Title
PARTIAL 6th FLR. FINISH PLAN, SCHEDULE AND LEGEND

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked EV | Drawn EV

Project Number
541-CSI-102

Building Number

Drawing Number
1-IF-03

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

CODES AND STANDARDS

1. New construction has been designed to, and shall be constructed in accordance with the following building codes and standards:
   A. 2012 International Building Code (IBC 2012)
   B. ASCE 7-10, Minimum Design Loads for Buildings and Other Structures
2. Unless explicitly modified in the Contract Drawings and Specifications, the Contractor shall comply with provisions of:
   A. ACI 301-10, Specifications for Structural Concrete
   B. ACI 318-11, Building Code Requirements for Structural Concrete
   C. ACI 530-11, Building Code Requirements for Masonry Structures
   D. ACI 530.1-11, Specification for Masonry Structures
   E. AISC 360-10, Specification for Structural Steel Buildings
   F. AWS D1.1-10, Structural Welding Code - Steel
   G. SDI Design Manual for Composite Decks, Form Decks and Roof Decks - No. 31
   H. AISI S100-07, North American Specification for the Design of Cold-Formed Steel Structural Members

DESIGN LOADS

Floor live load (unless otherwise noted)

Fifth Floor ---------- 20 psf
Sixth Floor ---------- 65 psf (1) (2)

(1) Live Loads are reduced per IBC section 1607.9 to a maximum reduction of 40%
(2) Includes 15 psf partition allowance, unreduced (OBC 1607.5)

Roof live load ---------- 25 psf

Roof snow load

Ground snow load (IBC 1608.2, ASCE 7, 7.2) ---------- P_g = 20 psf
Flat-roof snow load (ASCE 7, 7.3) ---------- P_f = 24 psf (3)
Snow exposure factor (ASCE 7, Table 7-2) ---------- C_e = 1.0
Snow importance factor (ASCE 7, Table 7-4) ---------- I_s = 1.2
Thermal factor (ASCE 7, Table 7-3) ---------- C_t = 1.0

(3) Increased for snow buildup / unbalanced per ASCE 7, 7.6 to 7.9

Wind design data

Basic wind speed (3-second gust) (IBC 1609.3) ---------- V = 120 mph
Occupancy category (IBC Table 1604.5) ---------- IV
Wind exposure category (IBC 1609.4.3) ---------- B
Internal pressure coefficient (ASCE 7, Table 26.11-1) Encl. ---------- GC_{pi} = ±0.18

Earthquake design data

Seismic importance factor (ASCE 7, Table 11.5-1) ---------- I_e = 1.5
Occupancy category (IBC Table 1604.5) ---------- IV
Mapped spectral response accelerations
Short period ---------- S_s = 0.180 g
1-second period ---------- S_1 = 0.058 g
Site class ---------- C
Spectral response coefficients
Short period ---------- S_{ds} = 0.144 g
1-second period ---------- S_{d1} = 0.066 g
Seismic design category ---------- A

Addition complies with all exceptions listed in IBC 3403.4. Further analysis and design of the existing structure for seismic force-resistance are not required.

DESIGN STRESSES

Concrete (strength design) minimum compressive strength in 28 days:

Reinforcing bars (ASTM A615, Grade 60) ---------- F_y = 60,000 psi
Welded wire reinforcement (ASTM A185) ---------- f_s = 30,000 psi
Structural steel W shapes
(ASTM A992 or ASTM A572/50) ---------- F_y = 50,000 psi
Structural steel other shapes (ASTM A36) ---------- F_y = 36,000 psi
Metal decks ---------- f_s = 20,000 psi
Hollow structural sections (ASTM A500, Grade B)
Rectangular ---------- F_y = 46,000 psi
Round ---------- F_y = 42,000 psi
Steel pipe (ASTM A53, Grade B)---------- F_y = 35,000 psi

GENERAL

1. All new construction shall comply with the Contract Documents and the Building Code.
2. Typical details and general notes apply to all parts of the work except where specifically detailed or unless otherwise noted.
3. The structural drawings illustrate structural members. Refer to architectural, mechanical, and electrical drawings for non-structural items which require special provisions during the construction of the structural members.
4. Drawings are not to be scaled.
5. Refer to architectural plans for floor depressions, openings, slopes, drains, curbs, pads, embedded items, non-bearing partitions, etc. Refer to mechanical and electrical plans for sleeves, openings. and hangers for pipes, ducts, and equipment.
6. The Contractor shall verify and be responsible for all dimensions and conditions which impact the work. Field verify sizes, elevations, hole locations, etc., prior to fabrication.
7. The Contractor shall carefully review the drawings to identify the scope of work required, visit the site to relate the scope of work to existing conditions and determine the extent to which those conditions and physical surroundings will impact the work.
8. Existing conditions as shown on these plans are for reference only. The Contractor is required to field verify all existing conditions prior to construction.
9. The Contractor shall resolve any conflicts on the drawings or in the specifications with the Architect/Engineer before proceeding with the work.
10. Any deviation, modification, or substitution from the approved set of structural drawings shall be submitted to the Owner, Architect, and Engineer for review/approval prior to its use or inclusion on the shop drawings.
11. The Contractor shall provide all necessary shores, braces, and guys required to support all loads to which the building structure and components, soils, other structures, and utilities may be subjected during construction. Shoring systems shall be designed, signed, and sealed by a professional engineer licensed in the jurisdiction where the project is located.
12. The Contractor shall provide means, method, techniques, sequence, and procedure of construction as required.
13. The Contractor shall protect all work, materials, and equipment from damage and shall provide proper storage facilities for materials and equipment during construction.
14. Site visits performed by the Architect/Engineer do not constitute inspections of means and methods of construction performed by the Contractor.
15. Structural observations performed by the Architect/Engineer during construction are not the continuous and special inspection services and do not waive the responsibility for the inspections required of the Building Department Inspector or the testing agency. Observations also do not guarantee the Contractor's performance and shall not be considered as supervision of construction.
16. The Contractor shall review shop drawings for completeness and compliance with contract documents. The Contractor shall stamp shop drawings prior to submission to the Architect and Engineer.
17. Review of the shop drawings by the Architect's Engineers shall not be construed as an authorization to deviate from the Contract Documents.
18. Shop drawings will not be processed if they are incomplete, lack coordination with relevant portion of contract documents, lack calculations if required, or if deviations, modifications, and substitutions are indicated without prior written approval from the Architect/Engineer.
19. No pipes or ducts shall be embedded into structural members unless so shown on the plans or approved by the Engineer.

DEMOLITION

1. Notify all local agencies having jurisdiction.
2. Locate existing underground utilities in areas of construction. Coordinate with utility companies for any shut-off requirements of still active lines. Call the Ohio Utilities Protection Service at 800-362-2764.
3. Demolition procedures, shoring requirements, sequence techniques, etc., either given in or implied by these drawings, are suggestions only. Contractor shall retain, at his own expense, a professional engineer licensed in the jurisdiction where the project is located to determine all construction phase requirements. Contractor shall submit drawings, signed and sealed by his Engineer, to the Owner and Engineer for concept review and record purposes. Contractor shall be solely responsible for the protection, stability, etc., of existing and new structures during execution of the work.
4. Before undertaking any demolition work, ascertain the existing conditions of the properties and buildings adjoining or in close proximity to the premises by survey.
5. Contractor shall perform all work in such a manner as to protect existing and adjacent structures and be responsible to properly repair any damage that occurs as a result of his work. Contractor shall repair all damage to streets, sidewalks, utility lines, or any other public or private properties resulting from the execution of the work at no cost to the Owner or Engineer.
6. Cease operations and notify Owner and Engineer immediately if safety or integrity of structure appears to be endangered. Properly brace and support structure before resuming operations.
7. Notify Owner and Engineer immediately if any portion of existing structure which is not to be demolished is damaged. Contractor shall pay for all repair costs, including design and inspection expenses.
8. Do not cut or alter any structural members without written authorization of the Engineer unless indicated on the structural drawings.
9. Do not allow resulting debris to accumulate. Dispose of this material in a legal manner.

TEMPORARY SHORING AND BRACING

1. Structure is designed to be self-supporting and stable after the building is fully completed.
2. Each contractor shall be responsible for erection procedures and sequence, shall maintain stability of the building and its component parts, and shall be responsible for adequacy of temporary or incomplete construction and connections during erection. Such responsibilities include, but are not limited to: addition of shoring as required to support forms, decks, columns, walls, and other elements as required during construction, sheeting, temporary connections, bracing, guys, or tie-downs necessary to maintain stability of parts, subassemblies, or all of the structure.
3. Contractor shall assume full design responsibility for temporary shoring and bracing, which shall be designed, signed, and sealed by a professional engineer licensed in the jurisdiction where project is located.
4. Temporary shoring shall be maintained throughout construction and shall be removed only after completion of all required supporting elements.
5. Remove any remaining temporary shoring after construction is complete.

STRUCTURAL TESTING AND SPECIAL INSPECTIONS

Special structural testing and inspections are required. The Contractor shall hire an approved independent testing agency. The agency shall be designated as the special inspector and shall provide structural testing and special inspections as required by the building code and as noted in the Contract Documents. Reports of inspection and testing shall be sent to the Architect, Engineer, Owner, Contractor, and Building Department. Structural testing and special inspection shall include:

1. Concrete: mix data, daily pour reports, cylinder tests, slump, entrained air tests, and temperature. See specifications for all testing and inspection requirements.
2. Reinforcement: placement, type, size, and grade of steel. See specifications for all testing and inspection requirements.
3. Structural steel: welding and bolting in the shop and field. See specifications for all testing and inspection requirements.

CONCRETE CONSTRUCTION

1. All concrete construction shall be in accordance with the latest Building Code Requirements for Structural Concrete ACI 318 and ACI Detailing Manual, except that construction and removal of forms and resholing shall be inspected by the Contractor's engineer.
2. Reinforcing steel shall have the following minimum coverage. Place bars as near to the concrete surface as these minima permit wherever possible, unless noted otherwise:
   A. slabs: 3/4"
3. Furnish bar supports where necessary during construction.
4. Provide pipe sleeves and inserts in concrete work where required. See architectural and mechanical drawings.
5. Obtain approval of Engineer before locating sleeves, holes, or inserts in slabs within 2'-0" of face of columns or anywhere in beams, joists, or columns.
6. Construction joints shall be positioned so as not to change the structural design requirements. Framed floors and roofs shall have construction joints so that the ratio of length to width of a single pour shall not exceed 2. The location and size of all construction joints shall be approved by the Engineer. Submit proposed pour layout for Engineer's review and approval two weeks prior to placing concrete.
7. Welding of reinforcing bars (including tack welding) is not permitted without permission of Engineer in writing. Where and when permitted, welded rebars shall comply with ASTM A706 (Fy=60 ksi) and welding shall conform to AWS D1.4. Welding shall be performed by certified welders.
8. Slab thickness indicated over steel form deck includes form depth. Provide form deck continuous over at least three supports and weld to each support at minimum 12" intervals. Use decking that will safely support all construction loads, including wet weight of concrete. Limit deflection of decking to 1/240 of span when loaded with the wet weight of concrete and construction loads.
9. Horizontal floors supported by deflecting structural members (steel joists, unshored steel beams, etc.) shall be finished level. The slab thickness noted is minimum. Add concrete as necessary to overcome member deflections. Shored construction shall be finished to a constant depth.
10. Drawings show typical reinforcing conditions. Contractor shall prepare detailed placement drawings of all conditions showing quantity, spacing, sizes, clearances, laps, intersections, and coverage required by the structural details, applicable code, and trade standards. Contractor shall notify reinforcing inspector of any adjustments from typical conditions which are proposed in placement drawings to facilitate field placement of reinforcing steel and concrete.
11. Bar bends shall be made cold. Bars shall not be bent after any portion of the bar is encased in concrete.
12. Splices (grade 60 deformed bars):
    A. Lap all compression splices 30 bar diameters of the larger bar.
    B. Lap all tension splices in accordance with the following tables. Provide Class B Tension Lap Splices unless otherwise noted.
    C. Increase tension or compression splice lengths by the following factors. Increases are Cumulative:
       1) Epoxy-coated top bars: 1.3
       2) Epoxy-coated other bars: 1.5
       3) Lightweight concrete: 1.3

Bar Size	Class B Tension Lap Splice					
	f'c = 3000 psi		f'c = 4000 psi		f'c = 5000 psi	
	Top	Other	Top	Other	Top	Other
#3	28"	22"	24"	19"	22"	17"
#4	37"	29"	33"	25"	29"	23"
#5	47"	36"	41"	31"	36"	28"
#6	56"	43"	49"	37"	43"	34"
#7	81"	63"	71"	54"	63"	49"
#8	93"	72"	81"	62"	72"	56"
#9	105"	81"	91"	70"	81"	63"
#10	118"	91"	102"	79"	92"	70"
#11	131"	101"	113"	87"	102"	78"

Bar Size	Class A Development Length, ld					
	f'c = 3000 psi		f'c = 4000 psi		f'c = 5000 psi	
	Top	Other	Top	Other	Top	Other
#3	22"	17"	19"	15"	17"	13"
#4	29"	22"	25"	19"	23"	17"
#5	36"	28"	31"	24"	28"	22"
#6	43"	33"	37"	29"	34"	26"
#7	63"	48"	54"	42"	49"	38"
#8	72"	55"	62"	48"	56"	43"
#9	81"	62"	70"	54"	63"	48"
#10	91"	70"	79"	61"	70"	54"
#11	101"	78"	87"	67"	78"	60"

STEEL CONSTRUCTION

1. Steel detailing, fabrication, and erection shall conform to the AISC Specification for Structural Steel Buildings and Code of Standard Practice, and the AWS Structural Welding Code.
2. Stresses occurring during fabrication, shipment, and erection shall be temporary and not excessive. Stresses at all times shall be less than design and allowable stresses. The full design and load-carrying capacity of the steel work shall not be impaired due to fabrication, shipment, or erection procedures. Throughout the complete process, the stability of all individual members and assembles shall be maintained.
3. The Contractor shall be responsible for the control of all erection procedures and sequences with relation to temperature differentials and weld shrinkage.
4. All additional steel required for erection purposes shall be provided at no additional cost and shall be removed unless approved by the Owner in writing.
5. Connections - welded or high strength bolted:
   A. High-strength bolts shall be installed in accordance with "Specifications for Structural Joints Using ASTM A325 or A490 Bolts".
   B. A325SC or A490SC with hardened washers: use for all moment connections, wind connections, hangers, and other connections as noted on drawings.
   C. A325N or A490N with hardened washers: use for all connections other than slip critical connections.
   D. Provide hardened washers under nuts at all high-strength bolts, except where plate washers are used per AISC Specifications.
   E. Unless snug tight connections are noted on the drawings as being permitted, all bolts should be tightened to full pretensioning load.
   F. Use standard holes with the following exceptions: oversize holes are permitted when bolts are loaded in tension; short slotted holes are permitted for shear loading perpendicular to the slot.
   G. Provide beveled washers on all connections to sloping flanges of I sections and channels where slope exceeds 1:20.
   H. Where minimum AISC fillet weld thickness requirement exceeds welds shown on details, or weld size is not specified, provide minimum AISC weld.
   I. Wherever possible, use framed beam connections as listed in Tables 10-1 to 10-3 of AISC Manual of Steel Construction, 13th edition. The length of connection shall not be less than one-half of the T distance of the beam web.
   J. Where reaction is noted, develop same. Where not noted, connections shall develop one-half of the total uniform load capacity of the beam.
6. Welding electrodes shall be E70XX except where other electrodes are required for compatibility with material being welded.
7. All slip connections shall be provided with a means of preventing the nuts from unthreading.
8. Shop drawings are required and shall note type of electrodes, size of all welds, and type and size of all bolts. Shop drawings shall be prepared under the supervision of a professional engineer licensed in the jurisdiction where the project is located.
9. Primer, see specifications.
10. Beams bearing on masonry shall have angle wall anchors and bear a minimum of 8" onto the wall. Masonry shall be built tightly around beam unless otherwise noted.
11. Beams (16" or greater in depth) and columns that are encased in masonry shall have adjustable masonry anchors spaced at 2'-0" on center.
12. See all contract drawings for miscellaneous steel requirements.
13. All shop and field welding shall be performed by a recently certified welder.
14. All welding and high strength bolting must be inspected by a qualified testing laboratory. Laboratory shall be approved by the Architect and/or Engineer.
15. See drawings for camber requirements in girders and beams.
16. Do not weld to existing steel without written approval from the Engineer.
17. Column splices are to be as per AISC Detailing Manual with addition of 3/8" web plates each side.
18. Provide fills at splices of parts differing by more than 1/8" in thickness.
19. Provide 1/4" closure plates at all open ends of HSS members.
20. Miscellaneous hanging loads such as stair stringers, pipes, mechanical units, etc., supported by steel members shall be applied in such a manner that no torsional forces are induced in the steel members, i.e., loads shall pass through the centerline of wide flange sections and through the shear center of channels.

STEEL DECK

1. The metal decking shall be of the type and gauge as indicated on the drawings. Decking and all accessories shall be formed from steel sheets conforming to ASTM A653. The steel shall be zinc coated conforming to ASTM A924, Class G60 as required in the specifications. Deck units shall be continuous over three or more spans where possible.
2. Diaphragm action shall be provided for in all areas with welding pattern in accordance with manufacturer's recommendations.
3. All welding of metal deck shall be in accordance with AWS D1.3.
4. Hangers supported by metal decking with structural concrete fill shall be installed using ICBO-approved anchorage systems. Such hangers shall be used to support duct work 54" x 16" maximum, 4" diameter pipe maximum, or ceilings. Hangers must be two flutes apart on same deck span. Larger ductwork and piping shall be supported by structural beams or columns (see mechanical drawings).
5. All metal deck shall be welded to structural steel by qualified welders experienced in welding light-gauge steel, and using prequalified procedures. The erector shall establish a welding procedure for the arc spot welding weld of the steel decking to the structural steel of a particular gauge used. Prior to the start of erection of steel deck, each welder shall be qualified using this procedure and witnessed by the Owner's testing agency.
6. Steel deck and framing will deflect during placement of concrete. These deflections will require placement of concrete in excess of the amount based on nominal dimensions in order to bring the slab within tolerances of a horizontal plane. The Contractor shall provide the excess concrete at no cost to the Owner.
7. Section properties shall be determined according to the Light Gauge Steel Institute.
8. Headed studs used as shear connectors shall be 3/4" diameter Nelson studs unless otherwise noted.
9. Comply with Steel Deck Institute Specifications for deck attachment and connectors.
10. Steel deck shall be erected and fastened in accordance with the manufacturer's specifications and erection layouts.

LOOSE LINTEL SCHEDULE

1. Interior lintels shall be shop painted. Lintels exposed to weather shall be 3/8" minimum thickness and hot-dip galvanized.
2. Bottom plates in beam/plate assemblies shall be 1/2" less in width than the supported masonry wall. Stop bottom plates at face of masonry opening.
3. Weld bottom plates to lintels with continuous fillet welds (each side).
4. Steel lintels and lintel plates in exterior walls shall be fabricated, followed by hot-dip galvanizing of the complete assembly.
5. Lintels shall have minimum bearing at each end of 1" per foot of opening (6" minimum) except as detailed.
6. Lintels shall have 8" minimum solid masonry below bearing points and shall extend beyond the full bearing area.
7. Lintel bearing plates shall be held back 1/2" minimum from face of masonry at opening. Provide flexible caulk between lintel and masonry at this location. Match mortar color.
8. The following schedules apply to all non-bearing masonry walls and to bearing walls where lintels are not indicated on the structural drawings. See drawings for other lintels in bearing walls.
   A. For 4", 8", 12", and 16" walls, provide one angle for each 4" of masonry wall thickness with 3 1/2" leg horizontal as follows:

Span Limits	Angle Size
0'-0" to 4'-0"	L3 x 3 1/2 x 1/4
4'-1" to 5'-6"	L4 x 3 1/2 x 5/16
5'-7" to 7'-6"	L5 x 3 1/2 x 5/16
7'-7" to 9'-6"	L6 x 3 1/2 x 3/8

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
GENERAL NOTES

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked JAM | Drawn LJP

Project Number 541-CSI-102

Building Number

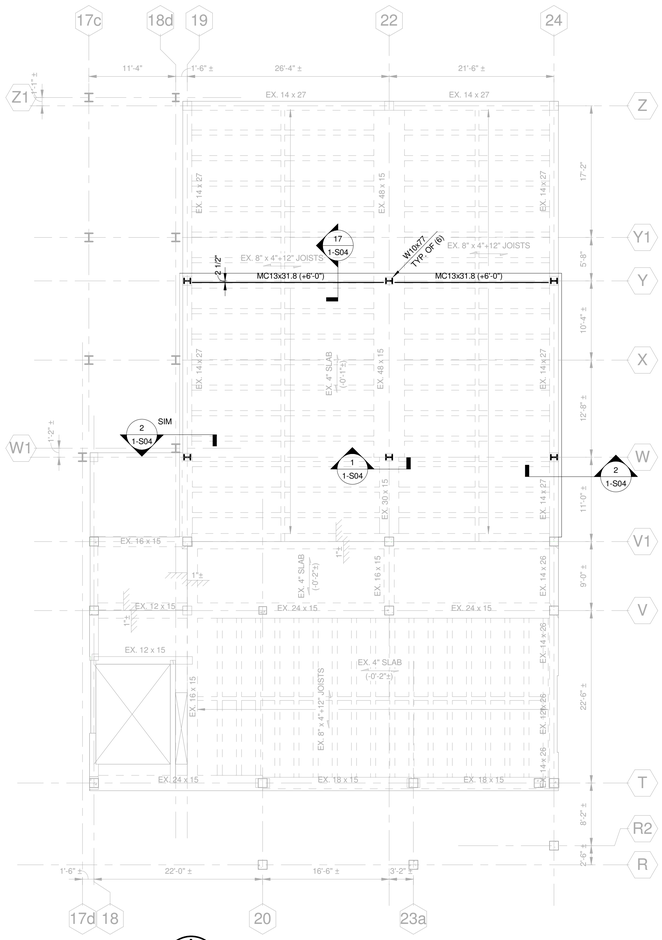
Drawing Number
1-S01

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

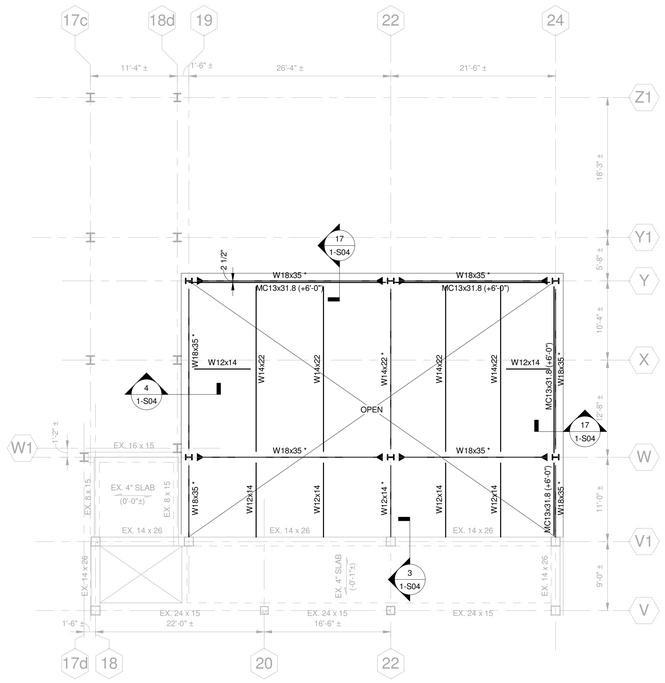


THIRD FLOOR FRAMING PLAN

1/8" = 1'-0"

THIRD FLOOR FRAMING PLAN NOTES:

1. ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED THIRD FLOOR = 691'-2 3/4"± = (0'-0").



FOURTH FLOOR FRAMING PLAN

1/8" = 1'-0"

FOURTH FLOOR FRAMING PLAN NOTES:

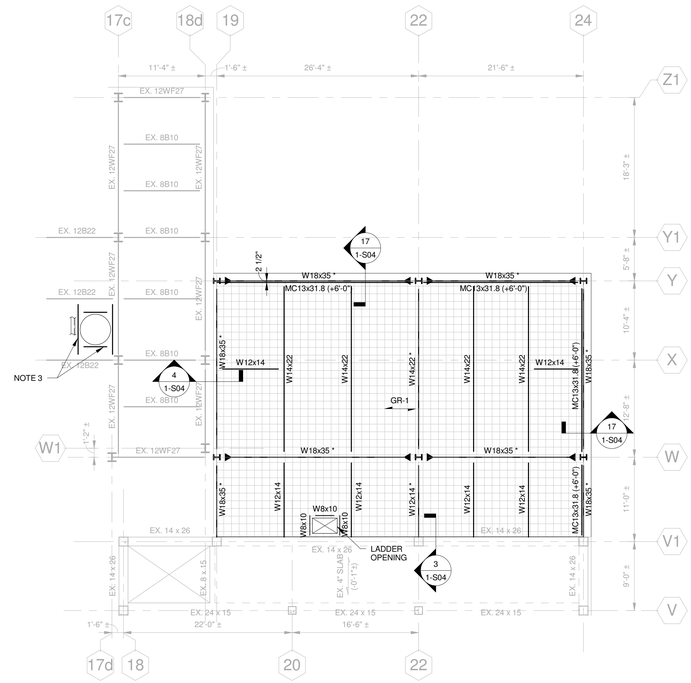
1. ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED FOURTH FLOOR = 703'-0 1/8"± = (0'-0").
2. TOP OF STEEL = (0'-5 1/2") UNLESS OTHERWISE NOTED.

FOURTH FLOOR FRAMING PLAN LEGEND:

INDICATES FULLY-RESTRAINED MOMENT CONNECTION. SEE TYPICAL DETAILS ON 1-S05.

* PROVIDE SPRAY-APPLIED FIRE RESISTIVE MATERIALS TO BEAMS INDICATED.

SPLICE BEAM AND COLUMNS AS REQUIRED FOR CONSTRUCTABILITY. SPLICES SHALL DEVELOP FULL MOMENT AND SHEAR CAPACITY OF SECTION.



FIFTH FLOOR FRAMING PLAN

1/8" = 1'-0"

FIFTH FLOOR FRAMING PLAN NOTES:

1. ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED FIFTH FLOOR = 714'-9 1/2"± = (0'-0").
2. TOP OF STEEL = (0'-5 1/2") UNLESS OTHERWISE NOTED.
3. PROVIDE C6x10.5 CHANNEL FRAME AROUND OPENING. COORDINATE WITH MECHANICAL DRAWINGS.

FIFTH FLOOR FRAMING PLAN LEGEND:

INDICATES FULLY-RESTRAINED MOMENT CONNECTION. SEE TYPICAL DETAILS ON 1-S05.

GR-1 WELDED BAR GRATING: 1 1/2"x3/16 BEARING BARS AT 1/2" ON CENTER WITH CROSS RODS AT 4" ON CENTER (8W4).

* PROVIDE SPRAY-APPLIED FIRE RESISTIVE MATERIALS TO BEAMS INDICATED.

CONTRACTOR SHALL PROVIDE PROTECTION FOR EXISTING STRUCTURE DURING TRANSPORT OF ALL CONSTRUCTION MATERIALS OVER EXISTING OCCUPIED SPACES.

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
THIRD FLOOR - FIFTH FLOOR FRAMING PLANS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked JAM | Drawn LJP

Project Number 541-CSI-102

Building Number

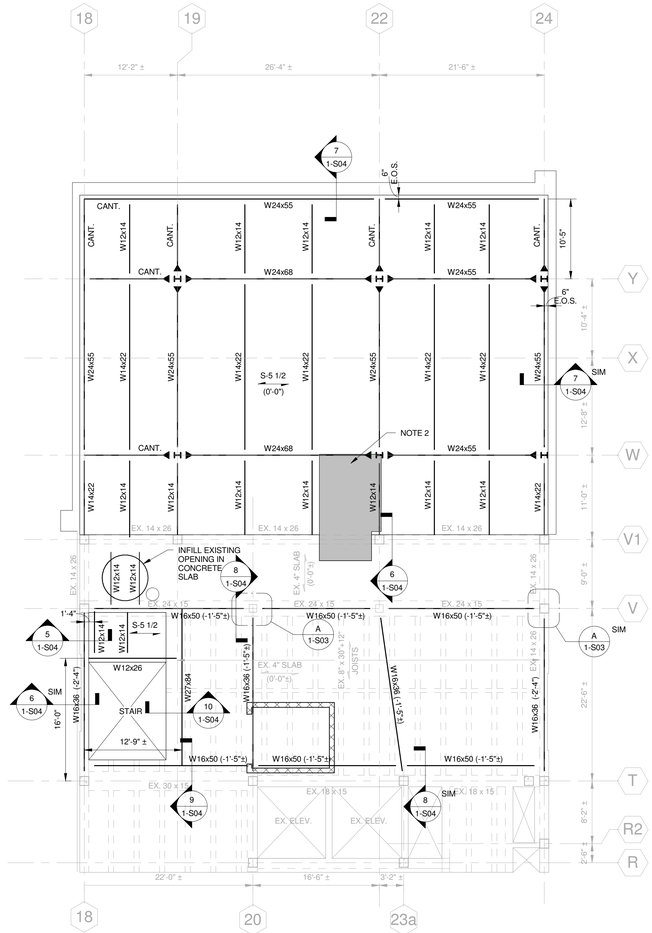
Drawing Number **1-S02**

Dwg. of

Office of Facilities Management

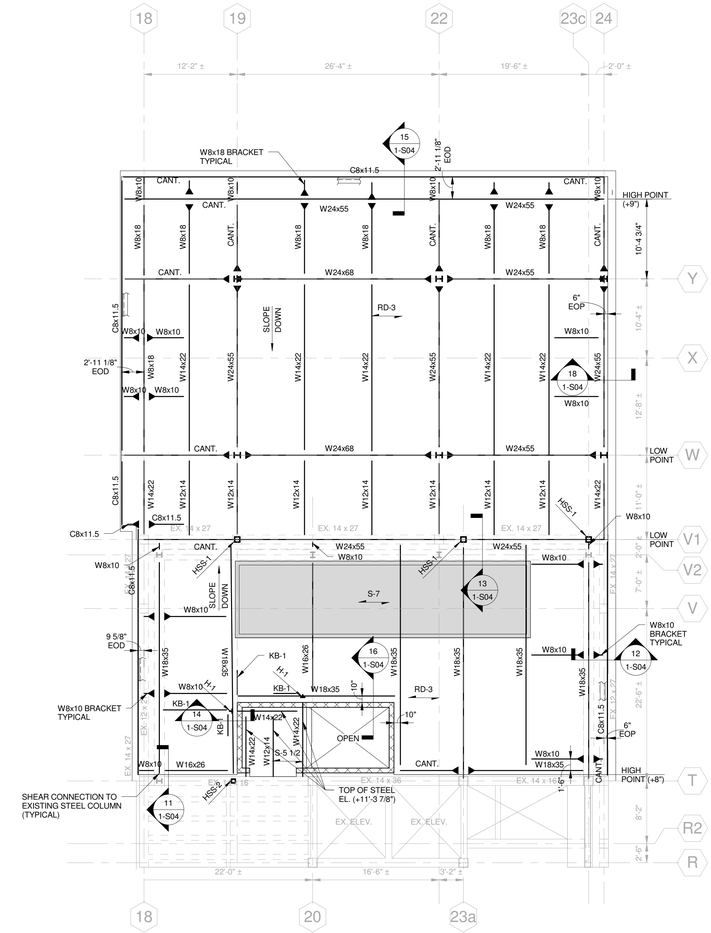
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



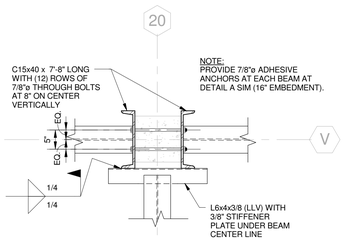
SIXTH FLOOR FRAMING PLAN

1/8" = 1'-0"



ROOF FRAMING PLAN

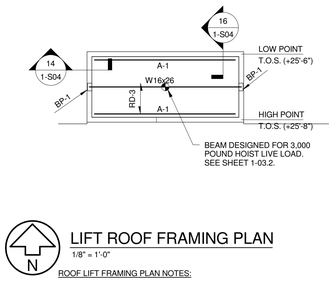
1/8" = 1'-0"



DETAIL A

3/4" = 1'-0"

SPLICE BEAM AND COLUMNS AS REQUIRED FOR CONSTRUCTABILITY. SPLICES SHALL DEVELOP FULL MOMENT AND SHEAR CAPACITY OF SECTION.



LIFT ROOF FRAMING PLAN

1/8" = 1'-0"

ROOF LIFT FRAMING PLAN NOTES:

ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED SIXTH FLOOR = 726'-6 7/8"± = (0'-0").

LIFT ROOF FRAMING PLAN LEGEND:

A-1 INDICATES DECK SUPPORT ANGLE - SEE SECTION.

BP-1 INDICATES BEAM BEARING PLATE PER TYPICAL DETAIL ON 1-S05.

SIXTH FLOOR FRAMING PLAN NOTES:

1. ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED SIXTH FLOOR = 726'-6 7/8"± = (0'-0"). TOP OF STEEL IS AT ELEVATION (-0'-5 1/2"), UNLESS OTHERWISE NOTED.
2. PROVIDE DEPRESSED SLAB AT PATIENT SHOWER. COORDINATE WITH ARCHITECTURAL DRAWINGS. CHIP EXISTING 1"± TOPPING SLAB AS REQUIRED. DO NOT DAMAGE EXISTING STRUCTURAL SLAB.

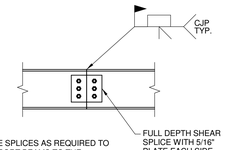
SIXTH FLOOR FRAMING PLAN LEGEND:

S-5 1/2 INDICATES 3 1/2" LIGHTWEIGHT CONCRETE SLAB ON 2" COMPOSITE METAL DECK (5 1/2" TOTAL THICKNESS).

INDICATES 8" NOMINAL CMU WALL WITH #5 AT 40" ON CENTER.

EOS INDICATES EDGE OF SLAB.

INDICATES FULLY-RESTRAINED MOMENT CONNECTION.



NOTE:
LOCATE SPLICES AS REQUIRED TO TRANSPORT BEAMS TO THE PROJECT AREA IN THE FIFTH FLOOR CEILING SPACE.

BEAM FIELD SPLICE DETAIL

ROOF FRAMING PLAN NOTES:

1. ELEVATIONS GIVEN ARE REFERENCED FROM EXISTING FINISHED SIXTH FLOOR = 726'-6 7/8"± = (0'-0"). TOP OF STEEL IS AT ELEVATION (+14'-5 3/8"), UNLESS OTHERWISE NOTED.
2. ALL SCREEN WALL STEEL TO BE HOT-DIP GALVANIZED.
3. PROVIDE ANGLE FRAME AT ROOF OPENINGS PER TYPICAL DETAIL ON 1-S05. SEE ARCHITECTURAL AND MEP DRAWINGS FOR OPENING LOCATIONS.
4. PROVIDE UNISTRUT FRAMING FOR EQUIPMENT SUPPORT IN EXAM ROOMS - COORDINATE WITH ARCHITECTURAL DRAWINGS.

ROOF FRAMING PLAN LEGEND:

RD-3 INDICATES 3", 20 GAUGE, GALVANIZED, WIDE RIB METAL ROOF DECK.

S-7 INDICATES 4" NORMAL WEIGHT CONCRETE SLAB ON 3" METAL DECK WITH 4x4-W4xW4 WWR. SUPPORTING STEEL SLOPES. POUR 7" TOTAL THICKNESS AT STEEL HIGH POINT; FINISH SLAB LEVEL.

S-5 1/2 INDICATES 3 1/2" LIGHTWEIGHT CONCRETE SLAB ON 2" COMPOSITE METAL DECK (5 1/2" TOTAL THICKNESS).

H-1 INDICATES WT4x12 HANGER.

HSS-1 INDICATES 6x8x5/16 POST - SEE SECTION 18/1-S04 FOR BASE PLATE.

HSS-2 INDICATES 6x6x5/16 POST WITH BASE PL3/4x12x1'-0".

KB-1 INDICATES L3x3x5/16 DIAGONAL BRACE.

INDICATES 8" NOMINAL CMU WALL WITH #5 AT 40" ON CENTER.

EOP INDICATES EDGE OF BENT PLATE.

INDICATES FULLY-RESTRAINED MOMENT CONNECTION.

CONTRACTOR SHALL PROVIDE PROTECTION FOR EXISTING STRUCTURE DURING TRANSPORT OF ALL CONSTRUCTION MATERIALS OVER EXISTING OCCUPIED SPACES.

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Revisions:	Date
BID ISSUE	02/23/15

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Drawing Title: **6TH FLOOR AND ROOF FRAMING PLANS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: JAM | Drawn: LJP

Project Number: 541-CSI-102

Building Number:

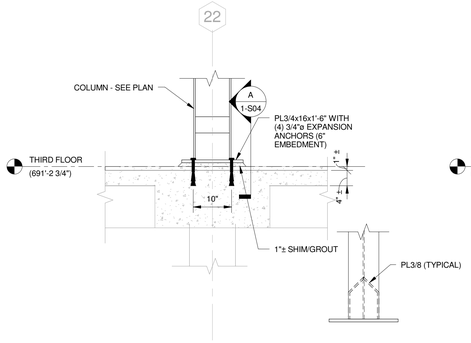
Drawing Number: **1-S03**

Dwg. of

Office of Facilities Management

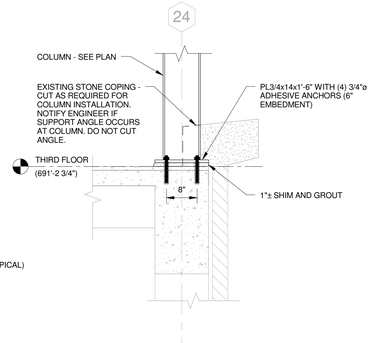
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



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

DETAIL A
3/4" = 1'-0"



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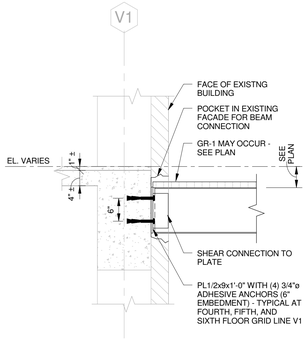

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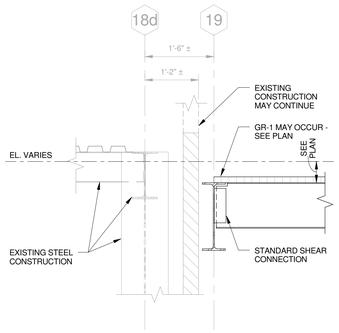

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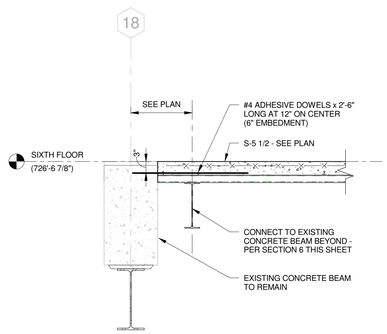

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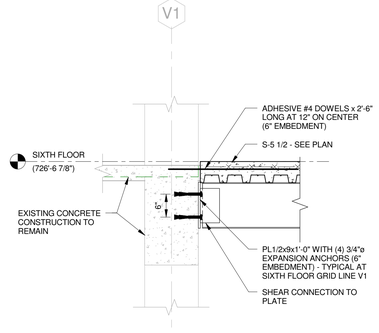

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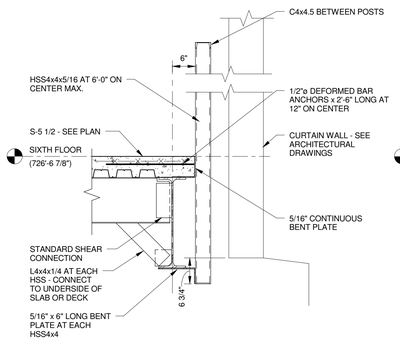

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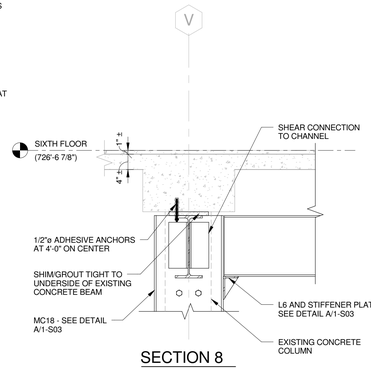

SECTION 8
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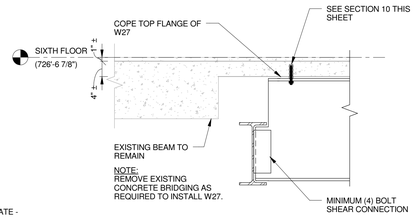

SECTION 9
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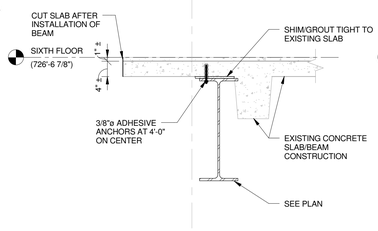

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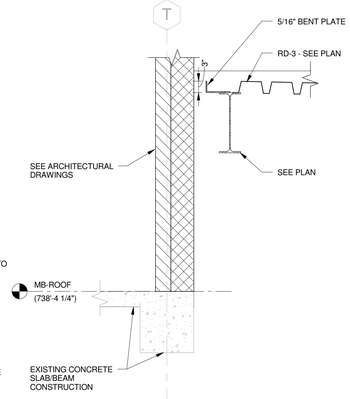

SECTION 11
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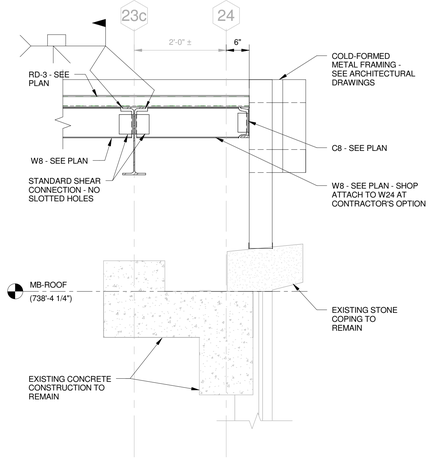

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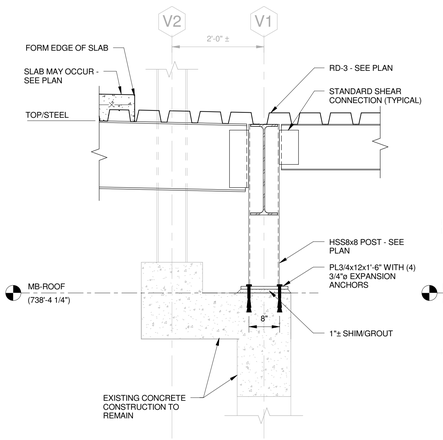

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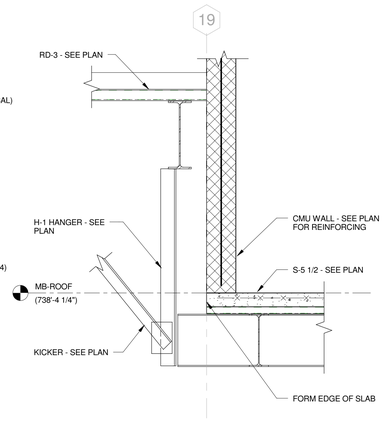

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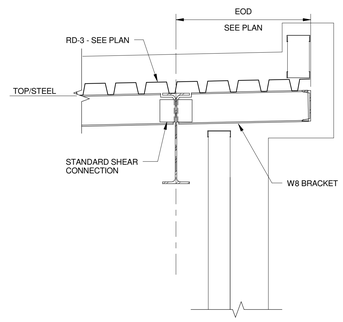

SECTION 15
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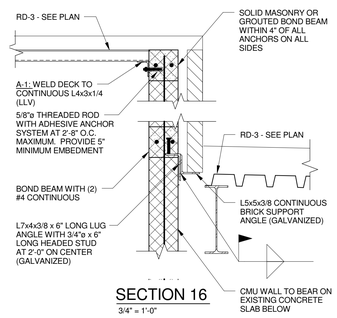
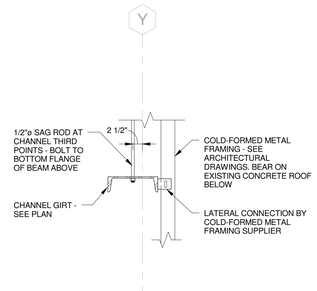
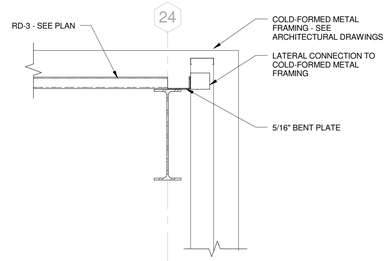


SECTION 16
3/4" = 1'-0"



SECTION 17
3/4" = 1'-0"



SECTION 18
3/4" = 1'-0"

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Revisions:	**Date**

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Drawing Title: **SECTIONS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: JAM | Drawn: LJP

Project Number: 541-CSI-102

Building Number:

Drawing Number: **1-S04**

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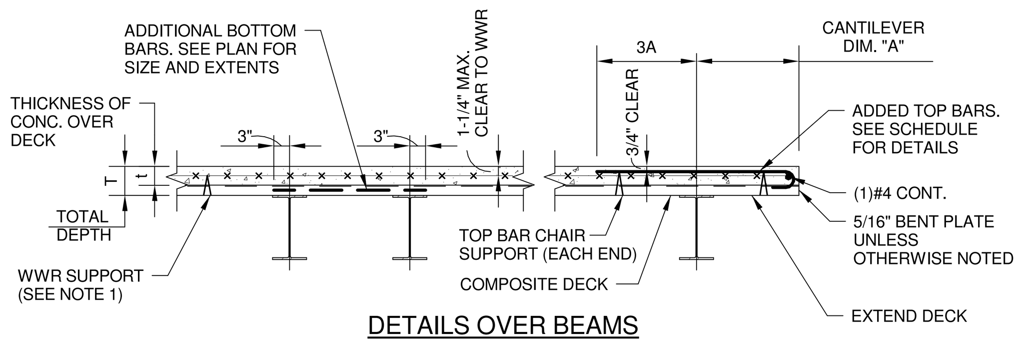
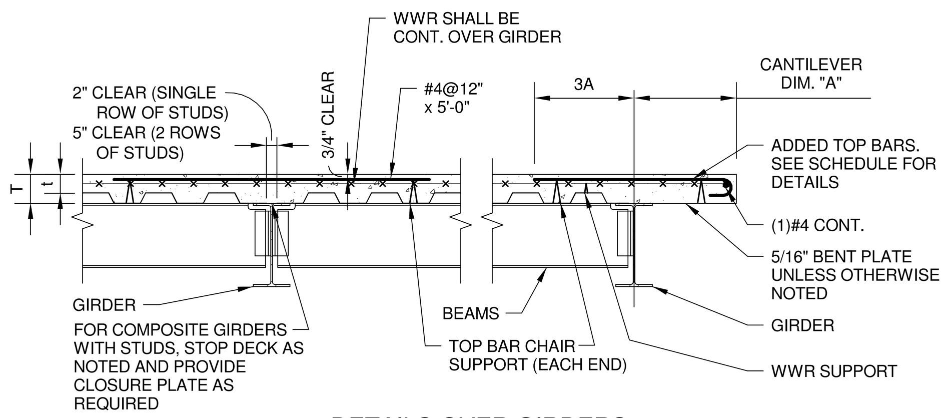


DETAILS OVER BEAMS
(PERPENDICULAR TO DECK)



DETAILS OVER GIRDERS
(PARALLEL TO DECK)

NOTES:
1. WWR MUST BE POSITIVELY SUPPORTED PRIOR TO PLACING CONCRETE (SEE DETAIL FOR DIMENSIONS). DEPRESS WWR AS REQUIRED AT TOP REINFORCING ONLY.
2. PROVIDE TOP LAP SPLICE 8" MIN. OR 2 WIRES.
3. PROVIDE (1) #4 x 4'-0" DIAG. TOP AT ALL RE-ENTRANT CORNERS. MAY OMIT AT CONSTRUCTION JOINTS. (SIM. TO FLOOR OPENING DETAIL).
4. DECK GAGE SHOWN IS MINIMUM. INCREASE DECK GAGE OR SHORE CONSTRUCTION WHERE DECK SPAN EXCEEDS THE MAXIMUM UNSHORED CLEAR SPAN PER SDI.
5. FOR "A" GREATER THAN 11", SHORE CANTILEVER, FORM EDGE, OR FURNISH STEEL BENT PLATE. SIZE PLATE TO CARRY WET WEIGHT OF CONCRETE & CONSTRUCTION LIVE LOADS. (SEE SPECIFICATIONS.)

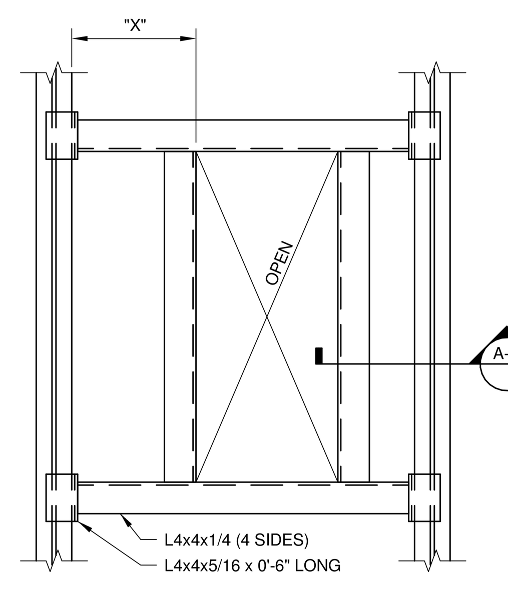
TOP BARS AT CANT.

DIM. "A"	REINFORCING
A≤4"	WWR ONLY
4"<A≤16"	#3@12"
16"<A≤24"	#4@12"

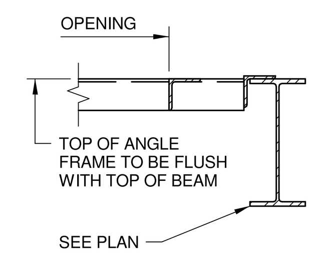
SLAB SCHEDULE

MARK	t	T	CONCRETE	METAL DECK	REINFORCING
S-5 1/2	3 1/2"	5 1/2"	NORMAL WEIGHT	2", 20 GA., GALV.	6x6-W2.1xW2.1 WWR

DETAILS FOR COMPOSITE DECK CONSTRUCTION



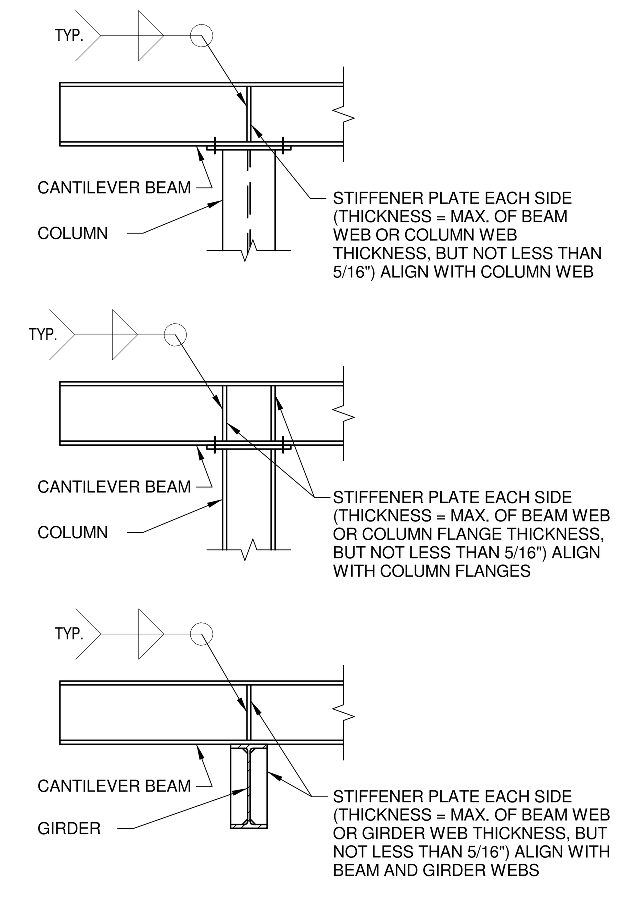
PLAN



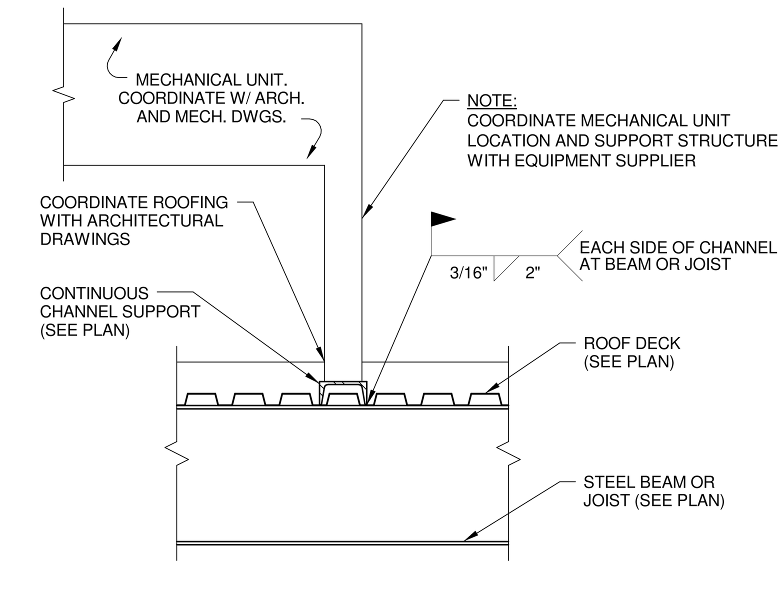
SECTION A-A

NOTES:
1. IF "X" IS 4" OR LESS, ELIMINATE ANGLE PARALLEL TO JOIST OR BEAM.
2. PROVIDE ANGLE FRAME FOR ALL OPENINGS GREATER THAN 10" DIA. OR 10" SQUARE.
3. CONTRACTOR TO VERIFY SIZE AND LOCATION OF ALL OPENINGS. SEE ARCHITECTURAL, MECHANICAL, ETC. DRAWINGS FOR OPENINGS NOT SHOWN ON STRUCTURAL DRAWINGS.

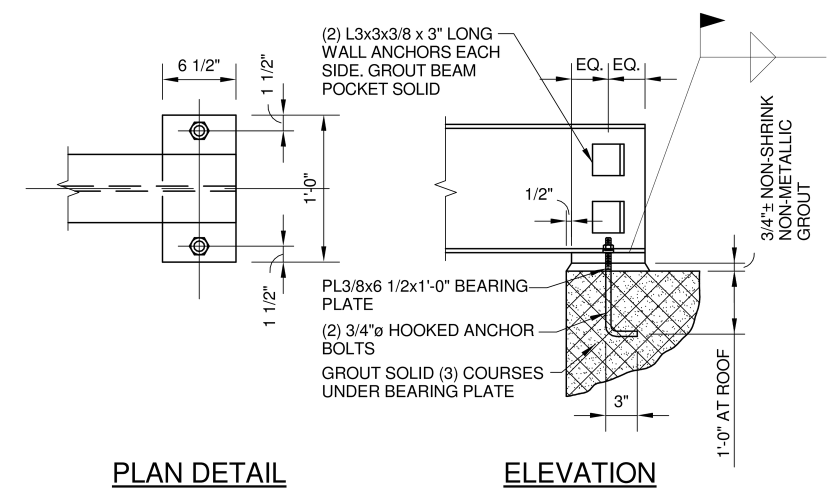
ROOF DECK OPENING DETAIL



DETAILS AT CANTILEVER BEAMS



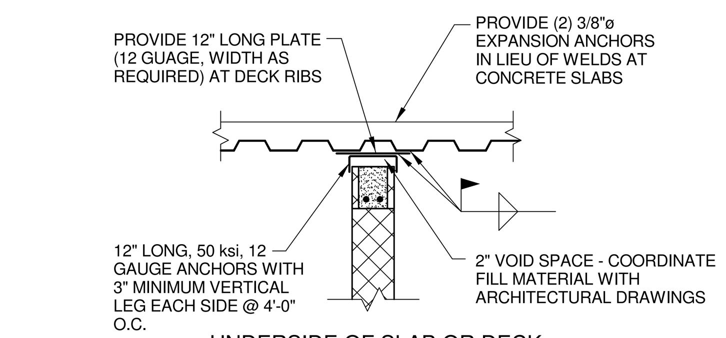
MECHANICAL UNIT SUPPORT OVER STEEL DECK



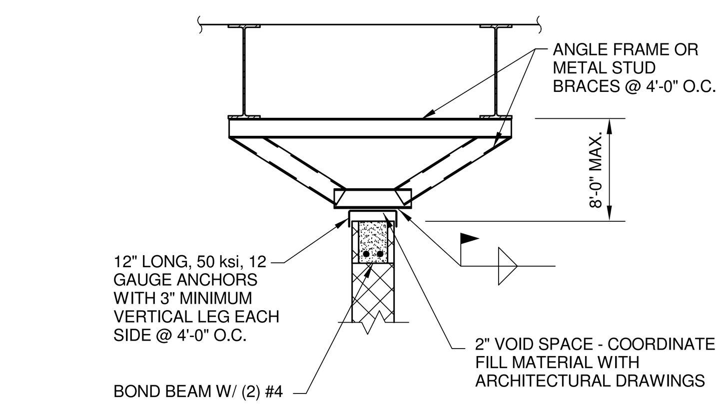
PLAN DETAIL

ELEVATION

BP-1 BEARING PLATE DETAIL



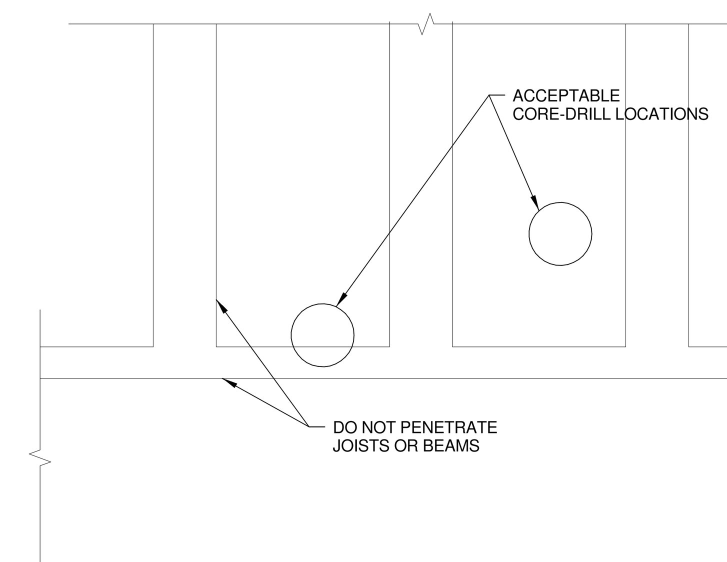
UNDERSIDE OF SLAB OR DECK



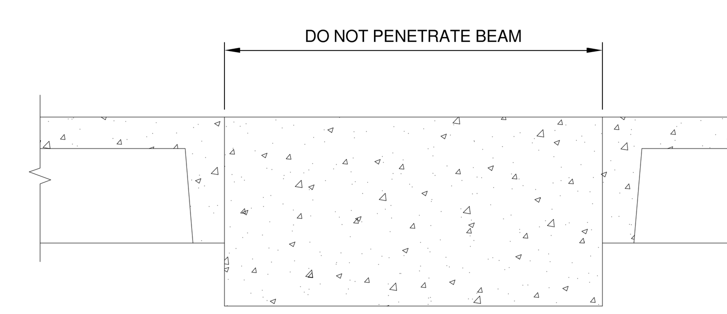
BENEATH STRUCTURE

NOTE:
1. COORDINATE TOP OF WALL LOCATIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS.

TOP OF MASONRY WALL BRACING DETAILS

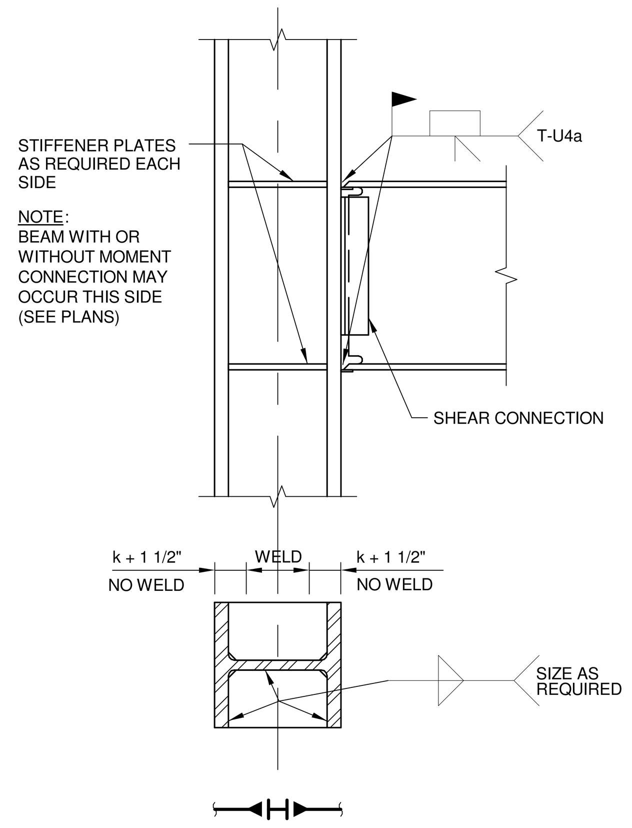


PLAN

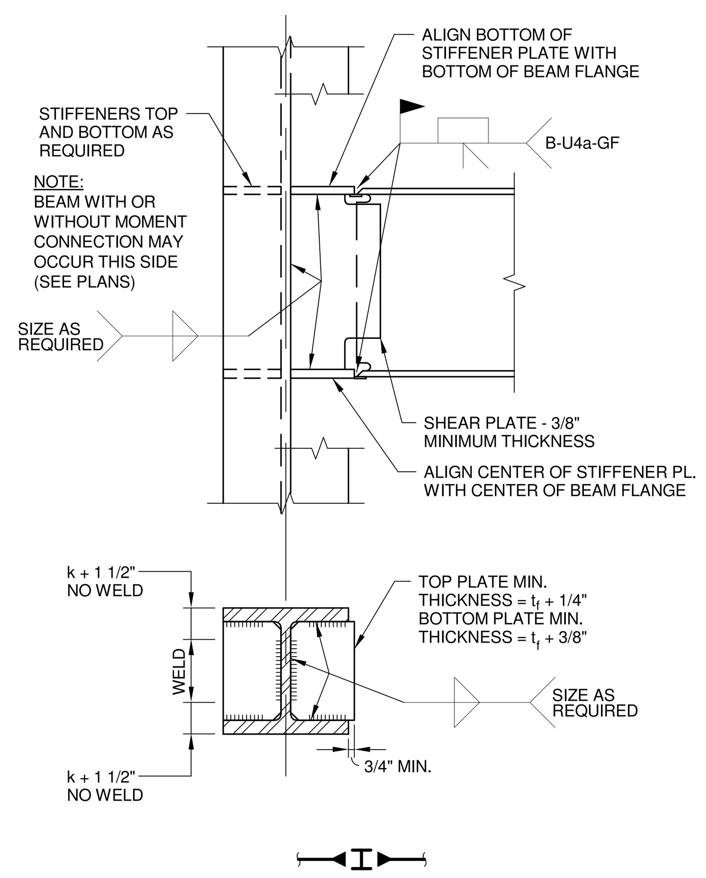


SECTION

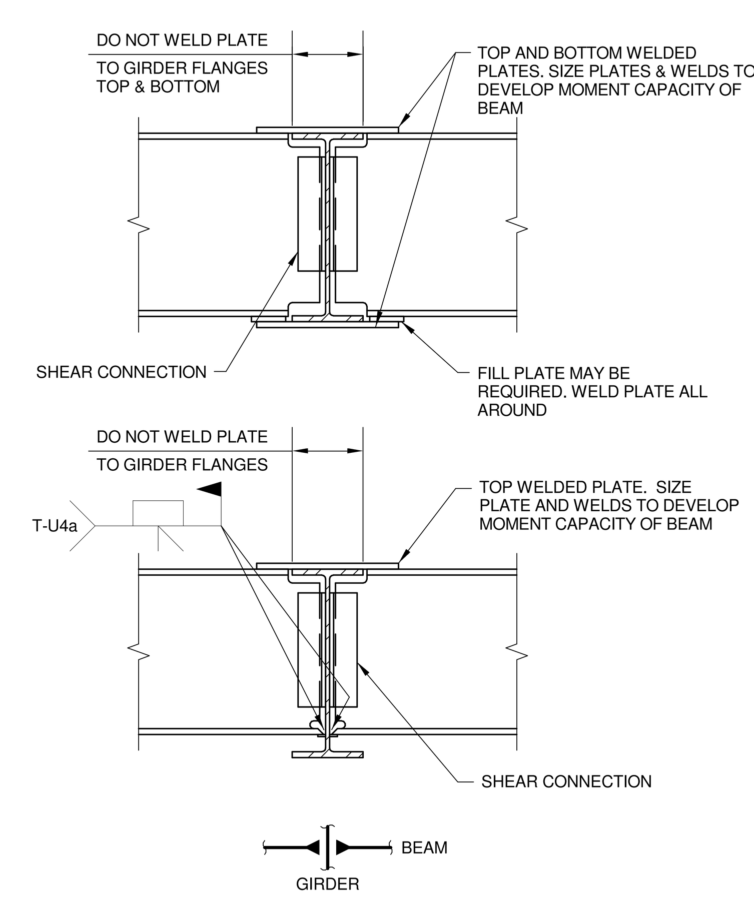
CORE-DRILL PENETRATIONS THROUGH EXISTING CONCRETE FLOOR STRUCTURE



TYPICAL FULL MOMENT CONNECTION DETAIL - BEAM TO COLUMN FLANGE



TYPICAL FULL MOMENT CONNECTION DETAIL - BEAM TO COLUMN WEB



TYPICAL FULL MOMENT CONNECTION DETAIL - BEAM TO GIRDER

BEAM-COLUMN MOMENT CONNECTION NOTES:
1. THIS BUILDING HAS BEEN DESIGNED UNDER THE AISC 360-05 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (ALLOWABLE STRENGTH DESIGN) WITH FULLY RESTRAINED (FR) MOMENT CONNECTIONS.
2. THE DESIGN OF MOMENT CONNECTIONS, INCLUDING ANY REQUIRED BEAM OR COLUMN REINFORCING, IS THE RESPONSIBILITY OF THE STRUCTURAL STEEL FABRICATOR. SUPPORTING CALCULATIONS, SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE JURISDICTION WHERE THE PROJECT IS LOCATED, SHALL BE SUBMITTED FOR REVIEW AND APPROVAL 2 WEEKS PRIOR TO THE CREATION/SUBMISSION OF SHOP DRAWINGS.
3. THE (UNFACTORED) DESIGN MOMENTS FOR THESE CONNECTIONS ARE INDICATED. WHERE NOT INDICATED, MOMENT CONNECTIONS SHALL DEVELOP THE FULL FLEXURAL CAPACITY OF THE BEAM.
4. AT CANTILEVERED MOMENT CONDITIONS, DESIGN MOMENTS SHALL BE ASSUMED TO ACT IN OPPOSITE DIRECTIONS ON EACH SIDE OF THE SUPPORT.
5. FOR MOMENT CONNECTIONS TO COLUMNS, DESIGN MOMENTS SHALL BE ASSUMED TO ACT IN THE SAME DIRECTION ON EACH SIDE OF THE COLUMN FOR COLUMN PANEL ZONE SHEAR CHECKS. DESIGN MOMENTS SHALL BE ASSUMED TO ACT IN OPPOSITE DIRECTIONS ON EACH SIDE OF THE COLUMN FOR COLUMN STIFFENER CHECKS.
6. UNLESS SPECIFICALLY NOTED TO BE A SLIP-CRITICAL JOINT, BOLTED MOMENT CONNECTIONS SHALL MEET THE REQUIREMENTS OF FULLY PRETENSIONED JOINTS. BOLTED MOMENT CONNECTIONS MAY BE PROPORTIONED AS BEARING-TYPE CONNECTIONS.
7. FOR BEARING-TYPE MOMENT CONNECTIONS, OVERSIZED HOLES OR SLOTS PARALLEL TO THE LINE OF FORCE ARE NOT PERMITTED. MOMENT CONNECTIONS SHALL BE SLIP-CRITICAL AND BE PROPORTIONED ON THE BASIS OF SLIP AS A STRENGTH LIMIT STATE.
8. THE SHEAR PORTION OF MOMENT CONNECTION JOINTS SHALL BE DESIGNED FOR THE SHEAR VALUES INDICATED, OR AS DEFINED IN THE STEEL CONSTRUCTION GENERAL NOTES. SHEAR CONNECTIONS THAT ARE PART OF A MOMENT CONNECTION JOINT MAY BE PROPORTIONED AS BEARING-TYPE CONNECTIONS.

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Revisions:	Date

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Drawing Title: TYPICAL DETAILS

Approved:

Project Title: SCI OUTPATIENT CLINIC ADDITION

Location: VAMC - WADE PARK

Date	Checked	Drawn
02/23/15	JAM	LJP

Project Number: 541-CSI-102

Building Number

Drawing Number: 1-S05

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Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

PROJECT COORDINATION NOTES:

A. THIS PROJECT CONSISTS OF MULTIPLE TRADES OF WORK PERFORMED WITHIN AN EXISTING BUILDING AND A BUILDING ADDITION, ALL OF WHICH ALLOWS VERY LITTLE PERMISSIBLE RANGE OF VARIATION. THE CONTRACTOR SHALL TAKE CAREFUL CONSIDERATION WITH THE COORDINATION AND INSTALLATION OF THE MULTITUDE OF NEW SYSTEMS WHILE ALSO ACCOMMODATING ANY EXISTING SYSTEMS TO REMAIN.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES ASSOCIATED WITH THIS PROJECT AND ISSUING COORDINATION PLANS PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.

C. THE COORDINATION DRAWINGS SHALL ILLUSTRATE ALL SYSTEMS IN PLACE. THE CONTRACTOR SHALL SHOW ALL NECESSARY OFFSETS, TRANSITIONS, ETC. AS REQUIRED IN ORDER TO ACCOMMODATE CONDITIONS IDENTIFIED IN THE FIELD.

D. IF CONFLICTS ARE IDENTIFIED DURING THE DEVELOPMENT OF COORDINATION PLANS, THE CONTRACTOR SHALL NOTIFY THE VA CONTRACTING OFFICER, ARCHITECT, AND/OR ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THE PROJECT PLANS.

E. A COMPLETED SET OF COORDINATION PLANS ISSUED FOR REVIEW SHALL CONFIRM THAT THE CONTRACTOR FULLY UNDERSTANDS THE PROJECT CONSTRAINTS AND ALL KNOWN CONFLICTS HAVE BEEN ADDRESSED.

FIRE PROTECTION GENERAL NOTES:

A. COORDINATE ALL SHUT-DOWNS OF EXISTING FIRE PROTECTION SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.

B. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PRECISE LOCATION OF CEILING MOUNTED DEVICES.

C. PROVIDE SERVICE CLEARANCE FOR ALL FIRE PROTECTION EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

D. NEW PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.

E. THE CONTRACTOR SHALL PROVIDE DETAILED DESIGN OF THE SPRINKLER SYSTEM. REFER TO SPECIFICATIONS.

F. NEW SPRINKLERS SHALL BE QUICK RESPONSE, FULLY RECESSED CONCEALED STYLE UNLESS SPECIFIED OTHERWISE. COVER PLATES SHALL BE FURNISHED WITH COLOR TO MATCH ADJACENT CEILINGS. ALL SPRINKLERS FURNISHED AS PART OF THIS PROJECT SHALL HAVE COVER PLATES WITH THE SAME SHAPE AND SIZE.

G. THE FIRE PROTECTION SYSTEM IS PERFORMANCE SPECIFIED. ALL SPRINKLER PIPE SIZES SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR, BASED ON HYDRAULIC CALCULATIONS.

H. THE CONTRACTOR IS RESPONSIBLE TO SUBMIT THEIR FIRE PROTECTION SHOP DRAWINGS TO OWNERS INSURANCE UNDERWRITER AND LOCAL FIRE MARSHAL AND OBTAIN APPROVAL PRIOR TO STARTING WORK.

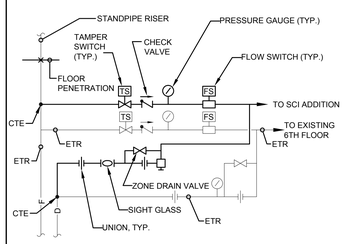
I. PROVIDE SUPPLEMENTAL DRAINS AS NECESSARY TO PROVIDE 100% SYSTEM DRAINAGE. LOCATE DRAINS ABOVE ACCESSIBLE CEILINGS.

J. COORDINATE PHASING REQUIREMENTS WITH ARCHITECTURAL PLANS.

K. SPRINKLERS SHALL BE SPACED TO PROVIDE FULL COVERAGE TO ENTIRE PROJECT AREA. ARCHITECTURAL REFLECTIVE CEILING PLANS SHALL ILLUSTRATE PROPOSED LOCATIONS FOR HEADS. ARCHITECTURAL PLANS SHALL BE USED FOR REFERENCE ONLY. SPRINKLER LAYOUT SHALL BE COORDINATED WITH ALL TRADES.

L. WHERE SPRINKLER HEADS ARE INSTALLED IN 2X2 CEILING TILES, HEADS SHALL BE CENTERED IN BOTH DIRECTIONS. WHERE SPRINKLER HEADS ARE INSTALLED IN 2'x4' CEILING TILES. HEADS SHALL BE INSTALLED IN THE CENTER OF ONE HALF OF THE TILE.

TAMPER AND FLOW SWITCH DETAIL



NOT TO SCALE

FIRE PROTECTION LEGEND AND ABBREVIATIONS

NOTE: THIS LEGEND IS INTENDED TO AID IN THE UNDERSTANDING OF SHORTHAND, SYMBOLS AND ABBREVIATIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS. IT IS NOT THE INTENTION TO DESCRIBE THE PROJECT SCOPE OF WORK, FOR DETAILED SCOPE OF WORK PLEASE REFER TO THE SUBSEQUENT DRAWINGS.

CALL OUTS:

#	REFERENCE TO CODED NOTE
EQ-# (EQUIPMENT TYPE; UNIT NUMBER)	EQUIPMENT OR FIXTURE MARK
	REMOVE TO POINT INDICATED
	CONNECT TO EXISTING

ABBREVIATIONS:

RO	ROOF OPENING
PC	PLUMBING CONTRACTOR
FC	FIRE SUPPRESSION CONTRACTOR
HC	HVAC CONTRACTOR
TC	TEMPERATURE CONTROL CONTRACTOR
GC	GENERAL TRADES CONTRACTOR
EC	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
RD	ROOF DRAIN
FD	FLOOR DRAIN
VTR	VENT THROUGH ROOF
ETR	EXISTING TO REMAIN
CTE	CONNECT TO EXISTING
P.C.	PLUMBING CONTRACTOR
F.C.	FIRE SUPPRESSION CONTRACTOR
G.C.	GENERAL CONTRACTOR

DEMOLITION SYMBOLS:

X	EXISTING TO REMAIN
XR	EXISTING TO BE REMOVED
XRL	EXISTING TO BE RELOCATED
XNL	EXISTING NEW LOCATION

FIRE SUPPRESSION SYMBOLS:

A	REFERENCE TO CODED NOTE
V-1	EQUIPMENT OR FIXTURE MARK
— F —	FIRE SUPPRESSION PIPE

FIRE PROTECTION PIPING:

— F —	FIRE PROTECTION PIPING
TS	TAMPER SWITCH
FS	FLOW SWITCH

MISCELLANEOUS SYMBOLS

— B —	STRUCTURAL BEAMS

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Drawing Title: **FIRE PROTECTION LEGEND AND GENERAL NOTES**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date	Checked	Drawn
02/23/15	DAD	JTP

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-FP0.1**

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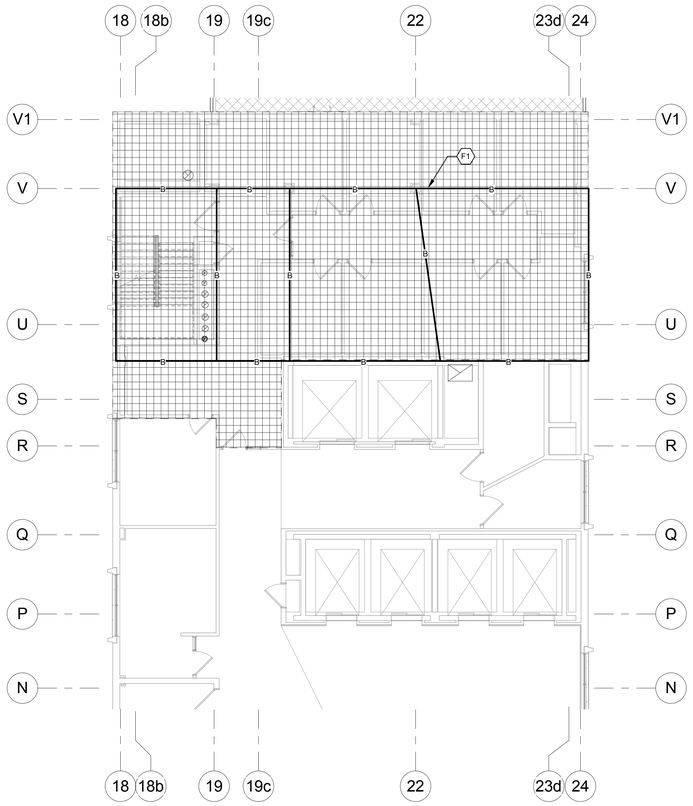
Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



FIFTH FLOOR FIRE PROTECTION PLAN 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

FIRE PROTECTION NOTES:

AREA OF EXISTING SPRINKLER HEADS AND BRANCH PIPING TO BE REMOVED COMPLETE BACK TO MAINS. PROVIDE NEW BRANCH PIPING AND SPRINKLER HEADS TO ACCOMMODATE NEW CEILING, WALLS, AND PARTITIONS. PROVIDE QUICK RESPONSE CONCEALED HEADS WITH WHITE COVER PLATES.

FIRE PROTECTION CODED NOTES

F1 REMOVE AND REPLACE EXISTING SPRINKLER MAINS AND BRANCH LINES BELOW NEW BEAM LOCATIONS. TO ALLOW FOR STEEL BEAM INSTALLATION.

DEDUCT ALTERNATE 2

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 2: DELETE THE WORK ASSOCIATED WITH INSTALLING NEW SPRINKLER HEADS FOLLOWING COMPLETION OF STRUCTURAL WORK.

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Revisions:	Date
BID ISSUE	02/23/15

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Drawing Title: **PARTIAL FIFTH FLOOR FIRE PROTECTION PLAN**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date	Checked	Drawn
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Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-FP1.1**

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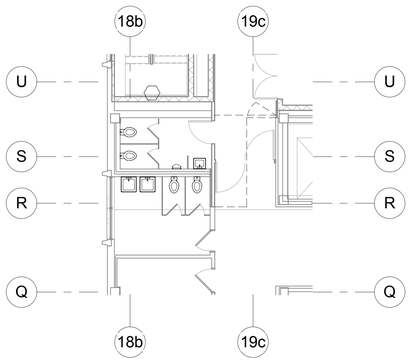
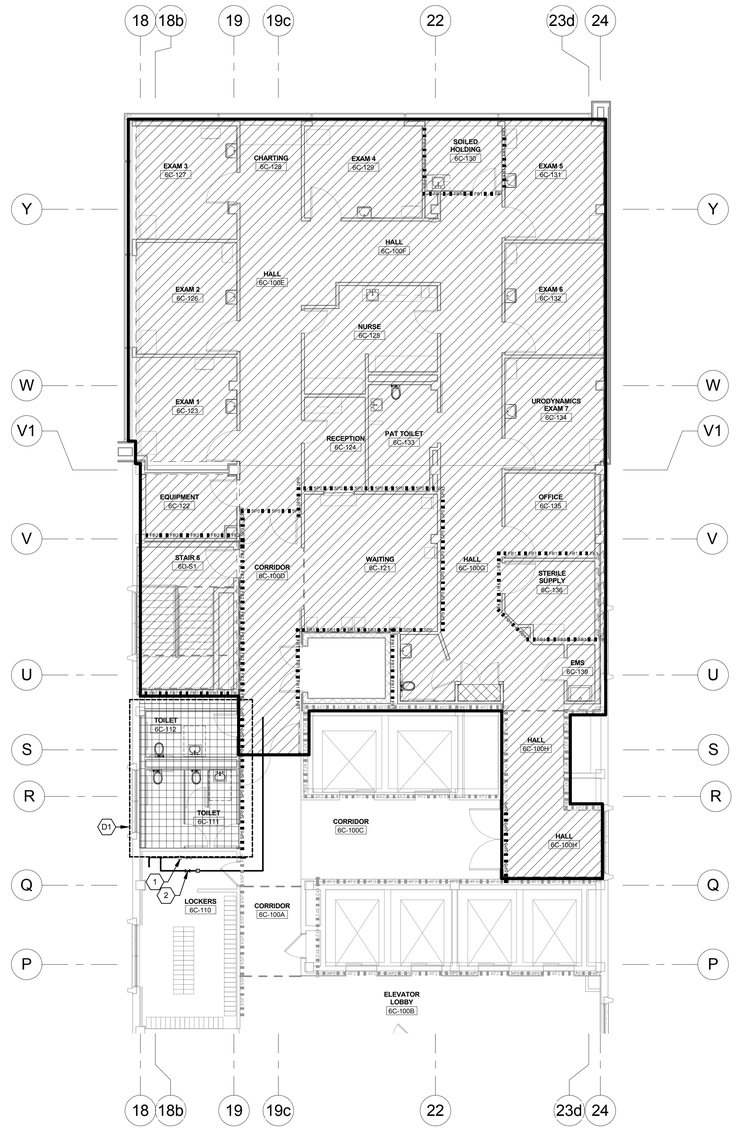


SIXTH FLOOR TOILET ROOM FIRE PROTECTION PLAN - DEDUCT ALTERNATE 1 — 2

1/8" = 1'-0"

0' 4' 8' 16' 32'



PARTIAL SIXTH FLOOR FIRE PROTECTION PLAN — 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

FIRE PROTECTION NOTES

AREA OF EXISTING SPRINKLER HEADS AND BRANCH PIPING TO BE REMOVED COMPLETE BACK TO MAINS. PROVIDE NEW BRANCH PIPING AND SPRINKLER HEADS TO ACCOMMODATE NEW CEILING WALL, AND PARTITION LAYOUT. PROVIDE QUICK RESPONSE CONCEALED HEADS WITH WHITE COVER PLATES. (DEDUCT ALTERNATE #1)

PROVIDE NEW MAINS, BRANCH PIPING, AND SPRINKLER HEADS TO ACCOMMODATE NEW CEILINGS, WALL, AND PARTITION LAYOUT. AREA TO BE SERVED BY MAIN SPRINKLER SYSTEM WITH QUICK RESPONSE CONCEALED HEADS WITH WHITE COVER PLATES.

PROVIDE NEW MAINS, BRANCH PIPING, AND SPRINKLER HEADS TO ACCOMMODATE NEW WALL AND PARTITION LAYOUTS IN AREAS WITHOUT CEILINGS. AREA TO BE SERVED BY MAIN SPRINKLER SYSTEM WITH UPRIGHT, QUICK RESPONSE HEADS.

NEW 6TH FLOOR SMOKE COMPARTMENT 5,520 SQ. FT.

CODED NOTES

1. EXISTING STAND PIPE, TAMPER VALVE, AND FLOW SWITCH SERVING SIXTH FLOOR.
2. PROVIDE NEW TAMPER AND FLOW SWITCH ASSEMBLY INCLUDING DRAIN PER DETAIL. THIS WILL SERVE NEW SCI ADDITION AREA. COORDINATE ABOVE CEILING WORK WITH ARCHITECT. REMOVE AND REPLACE CEILINGS AS NECESSARY TO COMPLETE WORK.

GENERAL NOTES

A. THE OUTLINED AREAS SHALL BE 100% FULLY SPRINKLED WITH A WET-TYPE SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA 13, VA FIRE PROTECTION DESIGN STANDARDS, FM GLOBAL REQUIREMENTS AND THE MECHANICAL SPECIFICATIONS. SPRINKLER HEADS SHALL BE INSTALLED SO AS TO ACCOMMODATE ANY NEW CEILINGS. REWORK SYSTEM AS REQUIRED TO ACCOMMODATE NEW DUCTWORK, NEW CEILINGS, AND A CHANGE IN OCCUPANCY.

B. THE INTENTION OF THIS CONTRACT IS THAT ALL EXISTING SYSTEMS BE REVISED TO PERMIT ANY AND ALL NEW CONSTRUCTION. THE CONTRACTOR SHALL DEMOLISH ALL EXISTING FIRE SUPPRESSION SYSTEM COMPONENTS BACK TO THE STAIRWELLS. ONLY RELOCATIONS OF MAINS HAVE BEEN DETAILED ON THE DRAWINGS. AS THE FIRE SUPPRESSION SYSTEMS ARE PERFORMANCE SPECIFIED, IT IS CONTRACTOR'S RESPONSIBILITY TO CONDUCT A FIELD WALK-THROUGH OR TO OBTAIN AS-BUILT DRAWINGS TO FAMILIARIZE THE CONTRACTOR WITH EXISTING CONDITIONS.

C. SEE SPECIFICATIONS FOR DESIGN DENSITY AND FLOW REQUIREMENTS.

FIRE SUPPRESSION NOTES

F1. CONTRACTOR SHALL FIELD VERIFY CONDITIONS SHOWN PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.

F2. SEE MECHANICAL DEMOLITION DRAWING FOR ADDITIONAL DEMOLITION WORK.

F3. COORDINATE ALL SHUT-DOWNS OF EXISTING MECHANICAL SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.

F4. PROVIDE SERVICE CLEARANCE FOR ALL MECHANICAL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

F5. NEW PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.

F6. THE FIRE SUPPRESSION CONTRACTOR SHALL PROVIDE DETAILED DESIGN OF THE SPRINKLER SYSTEM. REFER TO SPECIFICATIONS.

F7. ALL HEADS MUST BE UL LISTED, FM APPROVED, AND MEET NFPA REQUIREMENTS.

F8. THE FIRE PROTECTION SYSTEM IS PERFORMANCE SPECIFIED. ALL SPRINKLER PIPE SIZES SHALL BE DETERMINED BY FIRE PROTECTION CONTRACTOR, BASED ON HYDRAULIC CALCULATIONS.

F9. CONTRACTORS ARE RESPONSIBLE TO SUBMIT THEIR FIRE PROTECTION SHOP DRAWINGS TO THE VA FIRE & LIFE SAFETY ENGINEER PRIOR TO SUBMITTING TO THE LOCAL FIRE MARSHALL AND OBTAIN APPROVAL PRIOR TO STARTING WORK.

F10. PROVIDE SUPPLEMENTAL DRAINS AS NECESSARY TO PROVIDE 100% SYSTEM DRAINAGE. LOCATE DRAINS ABOVE ACCESSIBLE CEILINGS.

DEDUCT ALTERNATE 1

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:

D1 COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

FULLY SPRINKLERED

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Drawing Title: **PARTIAL SIXTH FLOOR FIRE PROTECTION PLAN**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

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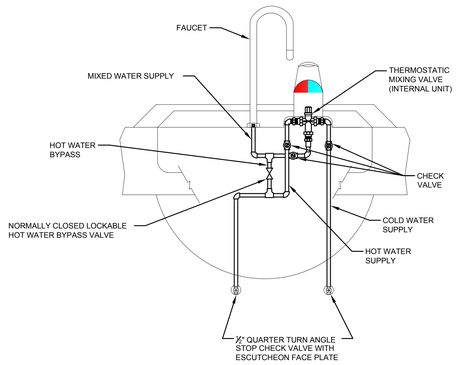
SENSOR OPERATED FAUCET CONTROL WITH INTEGRAL MIXING VALVE DETAIL

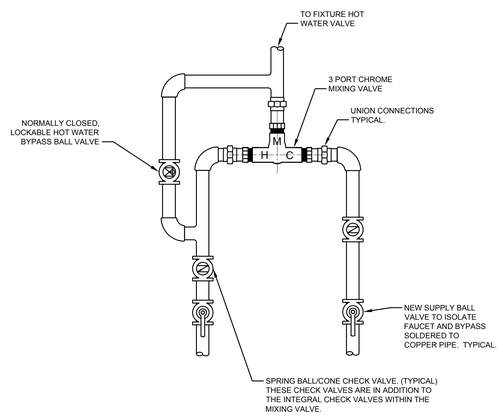


NOTES:

1. INSULATE ALL PIPING AND VALVES THAT ARE EXPOSED DURING CONSTRUCTION.
2. FIELD VERIFY THAT ALL PLUMBING WORK IS SECURE AND RIGID TO BLOCKING SUBSTRATE.
3. REFER TO PLUMBING SYSTEMS MANUAL AND SCHEDULE TO COORDINATE SYSTEMS INSTALLATION WITH EACH LOCATION THAT REQUIRES A SPECIALIZED APPLICATION.

NOT TO SCALE

MANUAL FAUCET CONTROL MIXING VALVE DETAIL



NOTES:

1. 3/8" BYPASS IN LOCKED CABINETS- USE A QUARTER TURN STOP. ALL PIPING SHALL BE RIGID AND SECURE.
2. 3/8" BYPASS EXPOSED- USE A LOOSE KEY CHROME STOP. ALL PIPING SHALL BE RIGID AND SECURE.
3. SPRING BALL/CONE TYPE CHECK VALVES SHALL BE USED, (NOT SWING TYPE).
4. MIXING VALVES ARE TO BE CHROME PLATED IN ALL APPLICATIONS.
5. REFER TO PLUMBING SYSTEMS MANUAL AND SCHEDULE TO COORDINATE SYSTEMS INSTALLATION WITH EACH LOCATION THAT REQUIRES A SPECIALIZED APPLICATION.

MIXING VALVE:

3/8" (10MM) COMPRESSION FITTING THERMOSTATIC MIXING VALVES MAINTAIN AND LIMIT HOT WATER TO DESIRED SELECTABLE TEMPERATURE BETWEEN 80°F AND 120°F (27°C AND 49°C) WITH FLOW RATES AS LOW AS 0.5 GPM (1.9 LPM) AND AS HIGH AS 2.5 GPM (9.5 LPM). THE MIXING VALVE IS LISTED TO ASSE STANDARDS 1070 FOR SINGLE FIXTURE APPLICATIONS. THE MIXING VALVE SHALL USE A DOUBLE THROTTLING DESIGN TO CONTROL BOTH THE HOT AND COLD WATER SUPPLY TO THE MIXED OUTLET. THE MIXING VALVE SHALL PROVIDE ACCURATE TEMPERATURE CONTROL (±3 DEGREES FAHRENHEIT) WITH LOW PRESSURE DROP. MIXING VALVE SHALL INCORPORATE DUAL CHECK VALVES TO PROTECT AGAINST CROSS-FLOW AND INTEGRAL SCREENS TO FILTER OUT DEBRIS. INSULATE ALL PLUMBING.

NOT TO SCALE

PLUMBING FIXTURE CONNECTION SCHEDULE

MARK	FIXTURE	BRANCH PIPE SIZE			
		CW	HW	WASTE	VENT
P103	WALL HUNG WATER CLOSET WITH SENSOR	1-1/2"	-	4"	2"
P103A	ADA WALL HUNG WATER CLOSET WITH SENSOR	1-1/2"	-	4"	2"
P418	WALL MOUNTED LAVATORY WITH SENSOR (NOTE 1)	3/4"	3/4"	1-1/2"	1-1/2"
P502	MOP BASIN	3/4"	3/4"	3"	1-1/2"
P528	STAINLESS STEEL DROP-IN SINK WITH SENSOR (NOTE 1)	3/4"	3/4"	1-1/2"	1-1/2"
P529	STAINLESS STEEL DROP-IN SINK (NOTE 1)	3/4"	3/4"	1-1/2"	1-1/2"
P530	ADA STAINLESS STEEL DROP-IN SINK WITH SENSOR (NOTE 1)	3/4"	3/4"	1-1/2"	1-1/2"
P701	SHOWER HEAD	3/4"	3/4"	4"	2"
FD-C	FLOOR DRAIN (NOTE 2)	-	-	4"	2"
RD	ROOF DRAIN	-	-	4"	2"

NOTES:
(1) PROVIDE THERMOSTATIC MIXING VALVE FOR EACH LAVATORY AND SINK.
(2) PROVIDE TRAP PRIMER PIPED TO EACH FLOOR DRAIN.

PLUMBING GENERAL NOTES:

A. CONTRACTOR SHALL FIELD VERIFY CONDITIONS SHOWN ON DESIGN DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.

B. COORDINATE ALL SHUT-DOWNS OF EXISTING PLUMBING SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.

C. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT.

D. PROVIDE SERVICE CLEARANCE FOR ALL PLUMBING EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

E. NEW PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.

F. PROVIDE ISOLATION VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE ISOLATION VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS.

G. DEMOLITION OF PLUMBING FIXTURES SHALL INCLUDE ASSOCIATED VALVES, PIPING, INSULATION, CARRIERS, ETC. BACK TO ACTIVE MAINS AND CAPPED. INCLUDE REMOVAL AND REPLACEMENT OF CEILINGS AND CUTTING AND PATCHING OF WALLS AND FLOORS. FILL AND PATCH ALL OPENINGS CREATED BY THE REMOVAL OF FIXTURES AND PIPING TO MATCH SURROUNDING SURFACES.

H. INSTALL WATER HAMMER ARRESTERS IN DOMESTIC HOT AND COLD WATER PIPING AT EACH GROUP OF PLUMBING FIXTURES. SIZE AND LOCATE WATER HAMMER ARRESTERS ACCORDING TO PDI-WH 201.

I. WHERE WORK IS SHOWN ABOVE EXISTING CEILINGS THE CONTRACTOR SHALL REMOVE AND REPLACE EXISTING CEILINGS AS REQUIRED TO PERFORM ALL WORK DESCRIBED.

J. DOMESTIC HOT WATER LINES SHALL BE MAINTAINED AT OR ABOVE 125 DEG F.

K. PROVIDE MIXING VALVES AT OR NEAR ALL FAUCETS, SHOWERS, TUBS, AND EMERGENCY FIXTURES. MOUNT IN ACCESSIBLE LOCATION. NOTE FIXTURES WITH INTEGRAL MIXING VALVES IN SPECIFICATION SECTION 22 40 00.

L. ALL NEW DOMESTIC WATER LINES (CW, HW, HWR) SHALL BE FLUSHED AND DISINFECTED BY THE CONTRACTOR PRIOR TO FINAL INSPECTION. REFER TO SPECIFICATION SECTION 22 11 00 FOR ADDITIONAL INFORMATION.

M. MINIMIZE LENGTH OF DEAD LEGS TO 10 FEET OR LESS. NOTIFY VA COR OF ANY CONFLICTS PRIOR TO INSTALLATION.

N. DO NOT USE AERATORS ON LAVATORIES OR SINKS.

O. REPLACE CEILING TILES AND/OR GRID WHEN DAMAGED WHILE PERFORMING WORK OR DUE TO SYSTEM LEAKS.

P. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AND GRID AS REQUIRED TO COMPLETE DEMOLITION AND NEW WORK IN AREAS OUTSIDE OF RENOVATION PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TILES OR GRID DAMAGED DUE TO THIS WORK.

PLUMBING LEGEND AND ABBREVIATIONS

NOTE: THIS LEGEND IS INTENDED TO AID IN THE UNDERSTANDING OF SHORTHAND, SYMBOLS AND ABBREVIATIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS. IT IS NOT THE INTENTION TO DESCRIBE THE PROJECT SCOPE OF WORK, FOR DETAILED SCOPE OF WORK PLEASE REFER TO THE SUBSEQUENT DRAWINGS.

CALL OUTS:

#	REFERENCE TO CODED NOTE
EQUIPMENT TYPE — EQ-# — UNIT NUMBER	EQUIPMENT OR FIXTURE MARK
	REMOVE TO POINT INDICATED
	CONNECT TO EXISTING

ABBREVIATIONS:

RO	ROOF OPENING
CTE	CONNECT TO EXISTING
LOD	LIMIT OF DEMOLITION
PC	PLUMBING CONTRACTOR
FC	FIRE SUPPRESSION CONTRACTOR
HC	HVAC CONTRACTOR
TC	TEMPERATURE CONTROL CONTRACTOR
GC	GENERAL TRADES CONTRACTOR
EC	ELECTRICAL CONTRACTOR
AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
RD	ROOF DRAIN
FD	FLOOR DRAIN
VTR	VENT THROUGH ROOF
SP	SUMP PUMP
NTS	NOT TO SCALE

DEMOLITION SYMBOLS:

X	EXISTING TO REMAIN
XR	EXISTING TO BE REMOVED
XRL	EXISTING TO BE RELOCATED
XNL	EXISTING NEW LOCATION

PLUMBING PIPING:

ST	STORM LEADER
EST	EMERGENCY STORM LEADER
SAN	SANITARY WASTE
USAN	SANITARY WASTE BELOW GRADE
V	PLUMBING VENT
CW	DOMESTIC COLD WATER SUPPLY
HW	DOMESTIC HOT WATER SUPPLY
HWR	DOMESTIC HOT WATER RETURN

PLUMBING SYMBOLS:

9'-2"	HEIGHT OF BOTTOM OF PIPE ABOVE FLOOR
	BRANCH PIPE CONNECTION
	ISOLATION VALVE
	CHECK VALVE
	UNION
	REDUCER
	STRAINER
	BALANCING VALVE
	TWO POSITION VALVE
	PRESSURE REDUCING VALVE
	FLEXIBLE PIPE CONNECTOR
	THERMOMETER IN PIPE WELL
	PIPE GUIDE
	PIPE EXPANSION ANCHOR
E.L.	FLEXIBLE METAL EXPANSION LOOP ASSEMBLY
	GAUGE PORT (PETE'S PLUG)
	DRAIN VALVE WITH HOSE FITTING
	PRESSURE GAUGE
	LOCAL DRAIN, VALVED WITH 3/4" THREADED CONNECTOR
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
TF	TANK FITTING
MAV	MANUAL AIR VENT
	PRESSURE RELIEF VALVE
	PIPE DOWN
	PIPE RISE UP
	PIPE CAP
	FLOOR DRAIN

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Drawing Title: **PLUMBING LEGEND AND SCHEDULE**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

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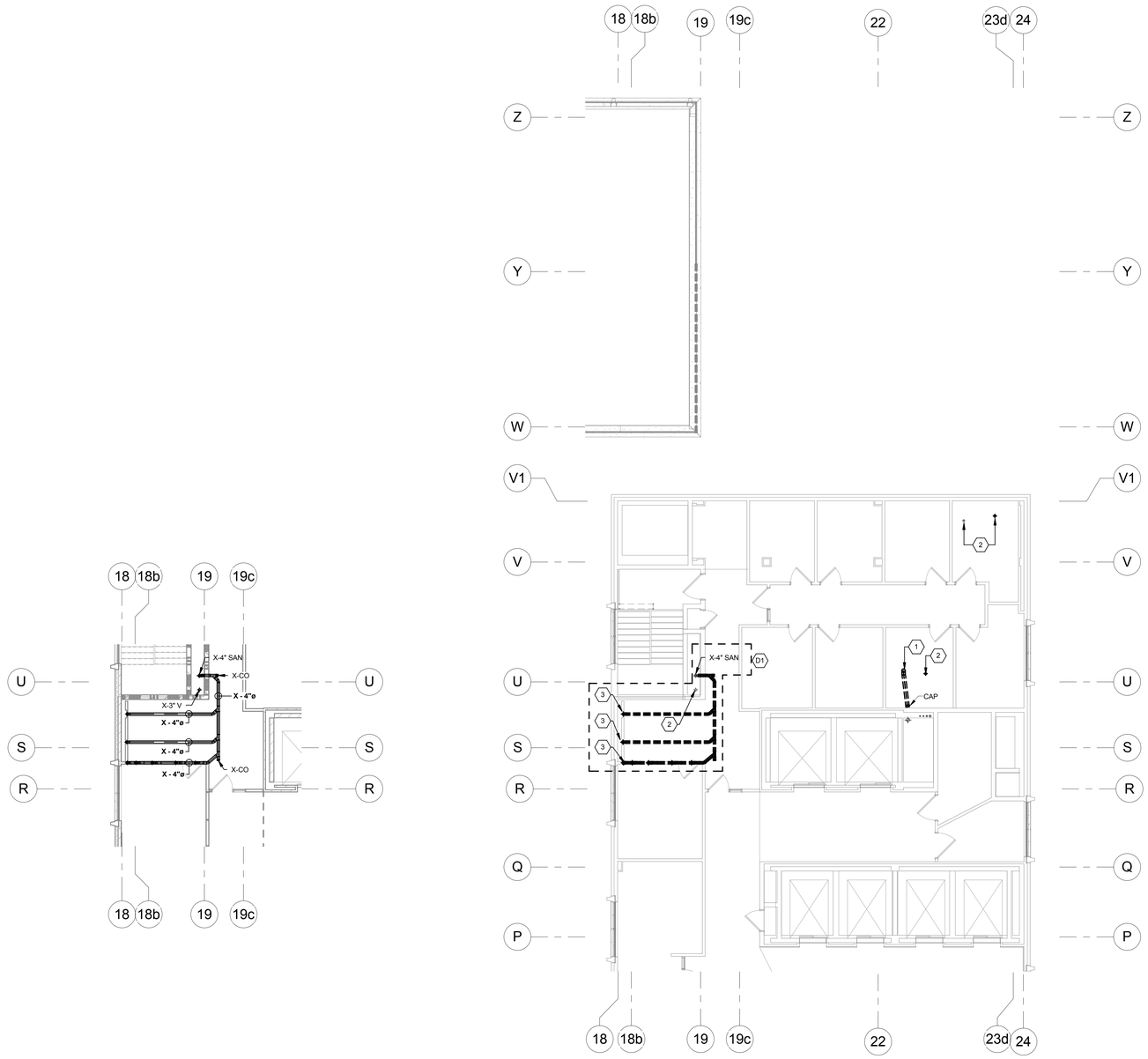

PARTIAL FIFTH FLOOR PLUMBING DEMOLITION PLAN - DEDUCT ALTERNATE 1 (2)

1/8" = 1'-0"

0' 4' 8' 16' 32'

PARTIAL FIFTH FLOOR PLUMBING DEMOLITION PLAN (1)

1/8" = 1'-0"

0' 4' 8' 16' 32'

GENERAL NOTES

1. EXISTING VENTS MUST REMAIN ACTIVE. CONTRACTOR SHALL PROVIDE TEMPORARY VENTS EXTENDING THE EXISTING EXHAUST VENTS OUTSIDE UNTIL NEW VENTS ARE CONNECTED AND ACTIVE.
2. SEE FIFTH FLOOR MECHANICAL DEMOLITION PLAN 1-M1.1 FOR ADDITIONAL SCOPE.

CODED NOTES

1. REMOVE ROOF DRAIN AND HORIZONTAL STORM PIPE BACK TO WALL. NEW STORM WILL BE TIED IN AT NEW LOCATION.
2. EXTEND EXISTING VENTS TEMPORARILY OUTDOORS THROUGH EXTERIOR WALL. UPON INSTALLATION OF NEW VENTS, REMOVE TEMPORARY PIPING AND PATCH WALL TO MATCH EXISTING.
3. REMOVE EXISTING 4" SANITARY PIPE BACK TO MAIN AND CAP. IF DEDUCT ALTERNATE #1 IS ACCEPTED. THESE THREE SANITARY LINES WILL REMAIN.

DEDUCT ALTERNATE 1

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:

D1 COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

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Revisions:	**Date**

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PARTIAL FIFTH FLOOR PLUMBING DEMOLITION PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked DAD | Drawn JTP

Project Number 541-CSI-102

Building Number 1

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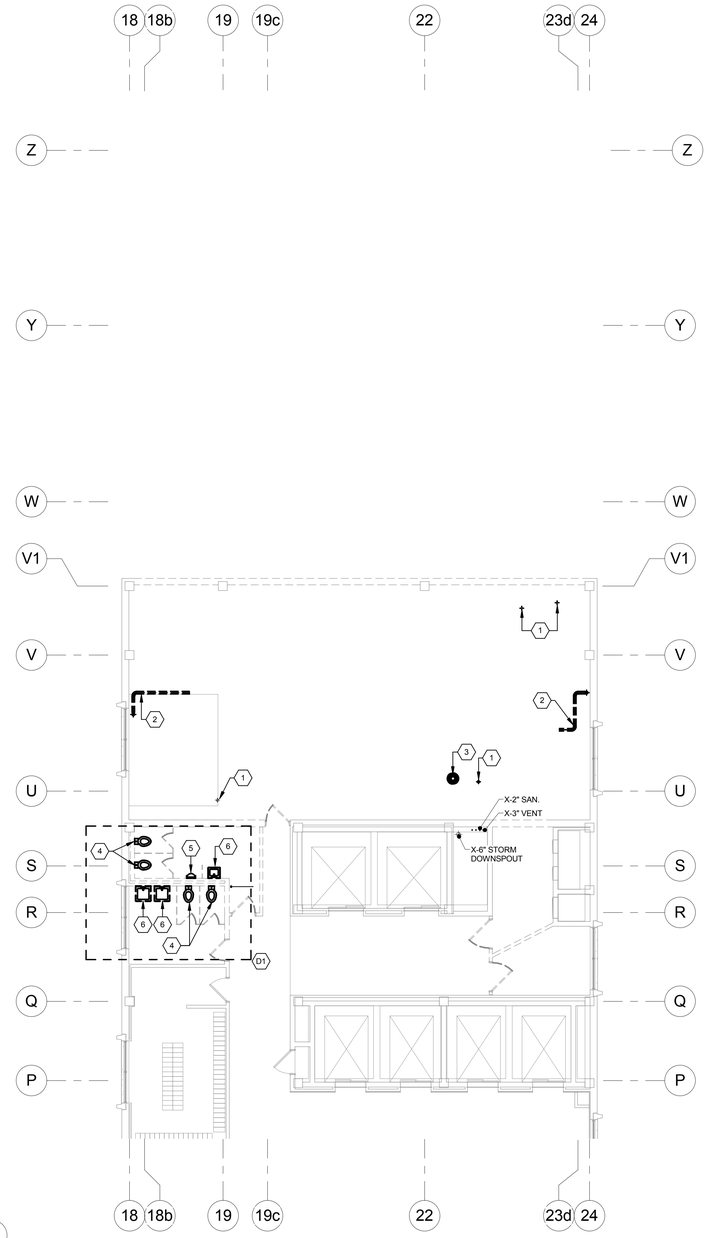
PARTIAL SIXTH FLOOR/ROOF PLUMBING DEMOLITION PLAN DEDUCT ALTERNATE 1 — 2

1/8" = 1'-0"

0' 4' 8' 16' 32'



PARTIAL SIXTH FLOOR/ROOF PLUMBING DEMOLITION PLAN — 1

1/8" = 1'-0"

0' 2' 4' 8' 16'

GENERAL NOTES

A. COORDINATE REMOVAL OF EXISTING VENTS AND ROOF DRAINS WITH INSTALLATION OF NEW DRAINS AND VENTS. NEW ROOF DRAINS AND VENTS MUST BE IN PLACE PRIOR TO REMOVAL OF EXISTING. CONTRACTOR SHALL INSTALL NEW PIPING UP TO POINTS OF CONNECTION TO MINIMIZE SWITCHOVER. REMOVAL OF DEMO ITEMS IS IMPLIED.

CODED NOTES

1. REMOVE VENT DOWN BELOW EXISTING ROOF. REFER TO 1-P1.1 FOR CONTINUATION.
2. REMOVE 4" PVC DRAIN.
3. REMOVE 6" ROOF DRAIN.
4. WATER CLOSET CARRIER AND ASSOCIATED PIPING BACK TO MAINS AND CAP. UNDER DEDUCT ALTERNATE #1 EXISTING PLUMBING FIXTURES TO REMAIN.
5. REMOVE URINAL, CARRIER, AND ASSOCIATED PIPING BACK TO MAINS AND CAP. UNDER DEDUCT ALTERNATE #1 EXISTING PLUMBING FIXTURES TO REMAIN.
6. LAVATORIES, CARRIERS, AND PIPING BACK TO MAINS AND CAP. UNDER DEDUCT ALTERNATE #1 EXISTING PLUMBING FIXTURES TO REMAIN.
7. EXISTING PLUMBING FIXTURES TO REMAIN.

DEDUCT ALTERNATE 1

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:

D1 COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

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Drawing Title: **PARTIAL SIXTH FLOOR/ROOF PLUMBING DEMOLITION PLAN**

Approved:

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Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

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Drawing Number: **1-P1.2**

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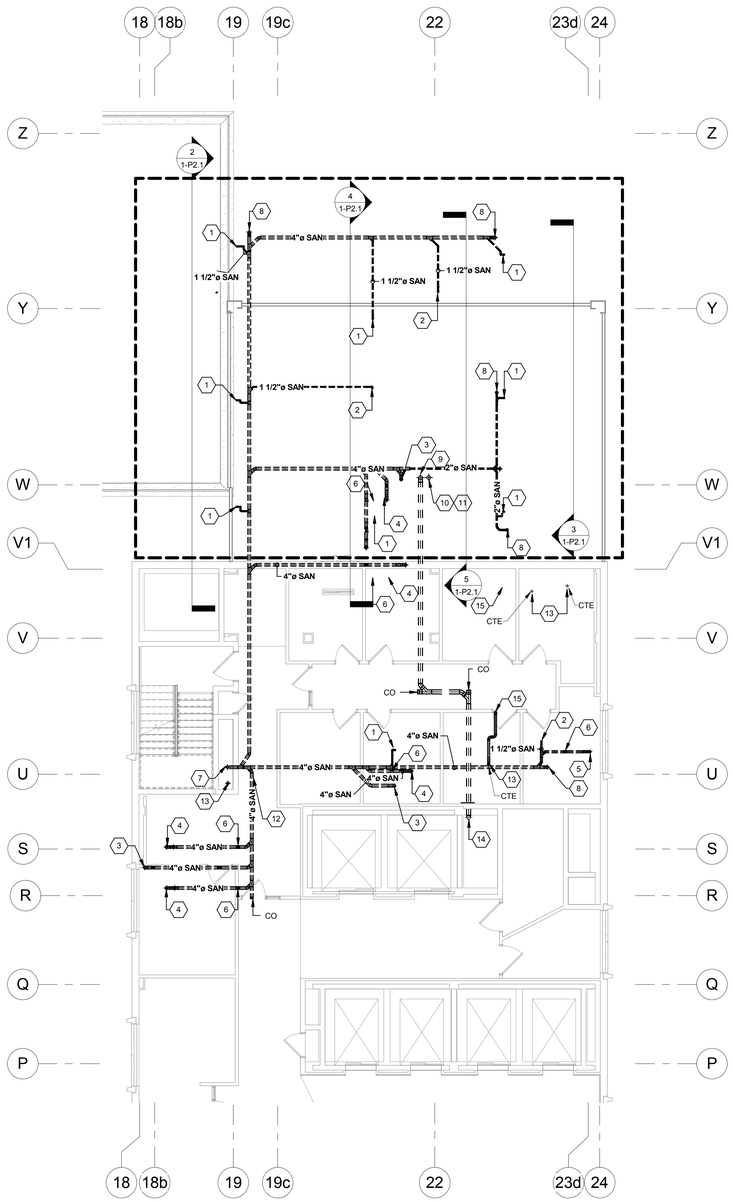


PARTIAL FIFTH FLOOR PLUMBING PLAN 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

AREA WITHIN THE DASHED BOUNDARY;NORTH OF COLUMN LINE V1 INDICATES WHERE BUILDING ADDITION OVERHANGS 2ND FLOOR/ROOF SEVERAL STORIES BELOW. CONTRACTOR MUST PROVIDE SCAFFOLD OR LIFTS TO INSTALL WORK. THE 2ND FLOOR BELOW IS AN OCCUPIED SPACE, THEREFORE THE ROOFS BELOW MUST BE PROTECTED FROM FALLING OBJECTS IN WHICH DAMAGE AND PENETRATION CAN OCCUR. ALL SANITARY PIPING SHOWN WITHIN THIS BOUNDARY SHALL BE INSTALLED IN THE CAVITY BELOW THE NEW 6TH FLOOR SLAB AND THE SOFFIT BELOW.

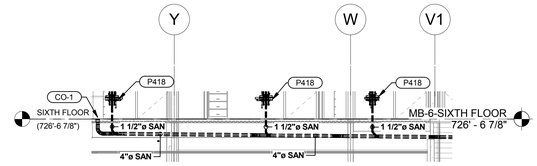
GENERAL NOTES

A. ALL WORK SHOWN NORTH OF COLUMN LINE V1 IS TO BE INSTALLED BELOW THE CANTILEVERED SIXTH FLOOR ADDITION. CONTRACTOR MUST SUBMIT A PLAN FOR APPROVAL TO SAFELY COMPLETE THIS WORK.

B. CONTRACTOR MUST PROTECT THE ROOF THREE STORIES BELOW FROM DAMAGE CAUSED DUE TO CONSTRUCTION.

CODED NOTES

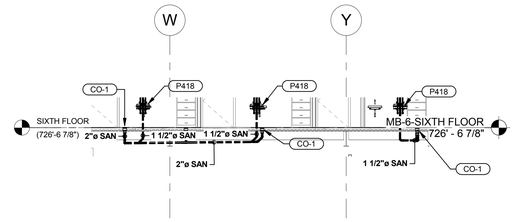
1. 1-1/2" SANITARY UP TO LAVATORY.
2. 1-1/2" SANITARY UP TO SINK.
3. 4" SANITARY UP TO PLUMBING CHASE SERVING TOILET ROOM FIXTURES.
4. 4" SANITARY UP TO FLOOR DRAIN.
5. 3" SANITARY UP TO MOP BASIN.
6. 2" VENT UP THRU FLOOR.
7. CONNECT TO EXISTING 4" SANITARY.
8. 4" SANITARY UP TO FLOOR CLEAN-OUT.
9. 6" STORM PIPE UP TO SIXTH FLOOR.
10. 6" EMERGENCY OVERFLOW STORM PIPE UP TO SIXTH FLOOR.
11. 6" STORM DOWN THRU FLOOR AND DOWN ALONG COLUMN (W-22). ROUTE PIPING DOWN TO 2ND FLOOR ROOF LEVEL. ROUTE PIPING HORIZONTALLY ALONG 2ND FLOOR ROOF TO EAST EDGE OF BUILDING (APPROXIMATELY 35') AND DOWN TO 1ST FLOOR ROOF LEVEL. TERMINATE WITH ELBOW AND DOWNSPOUT COVER WITH PERFORATED HINGED STRAINER. SUPPORT VERTICAL PIPE ALONG COLUMN AT 15' INTERVALS. PROVIDE 2'x2' PAVER TO PROTECT ROOF MEMBRANE AT OUTLET ON 1ST FLOOR ROOF. SEE EMERGENCY STORM ISOMETRIC ON SHEET 1-P4.1.
12. UNDER DEDUCT ALTERNATE #1 DELETE ALL PLUMBING WORK FROM THIS POINT UP TO AND INCLUDING THE PLUMBING FIXTURES LOCATED IN EXISTING TOILET ROOMS ROOM # 6C-111 AND ROOM # 6C-112.
13. EXTEND EXISTING VENTS TEMPORARILY OUTDOORS THROUGH EXTERIOR WALL. UPON INSTALLATION OF NEW VENTS, REMOVE TEMPORARY PIPING AND PATCH WALL TO MATCH EXISTING.
14. REMOVE SECTION OF BLOCK WALL AND TIE INTO EXISTING 6" STORM RISER LOCATED IN SHAFT. PATCH BLOCK WALL AND FIRESTOP STORM PIPE.
15. NEW 3" VENT UP THRU FLOOR. EXTEND 3" VENT TO EXISTING VENTS ABOVE CEILING AND TIE IN.



SANITARY SECTION 2 2

1/8" = 1'-0"

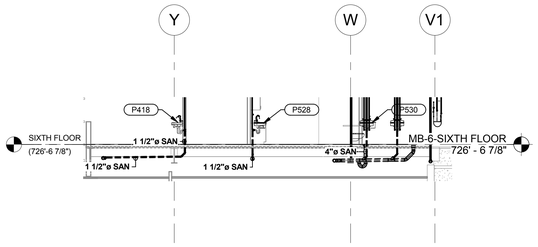
0' 4' 8' 16' 32'



SANITARY SECTON 3 3

1/8" = 1'-0"

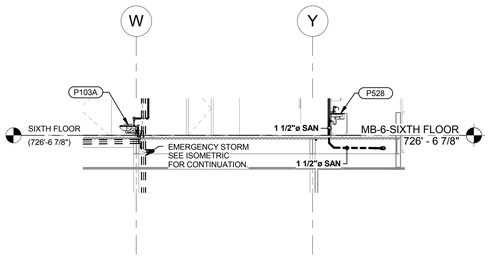
0' 4' 8' 16' 32'



SANITARY SECTION 4 4

1/8" = 1'-0"

0' 4' 8' 16' 32'



SANITARY SECTION 5 5

1/8" = 1'-0"

0' 4' 8' 16' 32'

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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PARTIAL FIFTH FLOOR PLUMBING PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked DAD | Drawn JTP

Project Number 541-CSI-102

Building Number 1

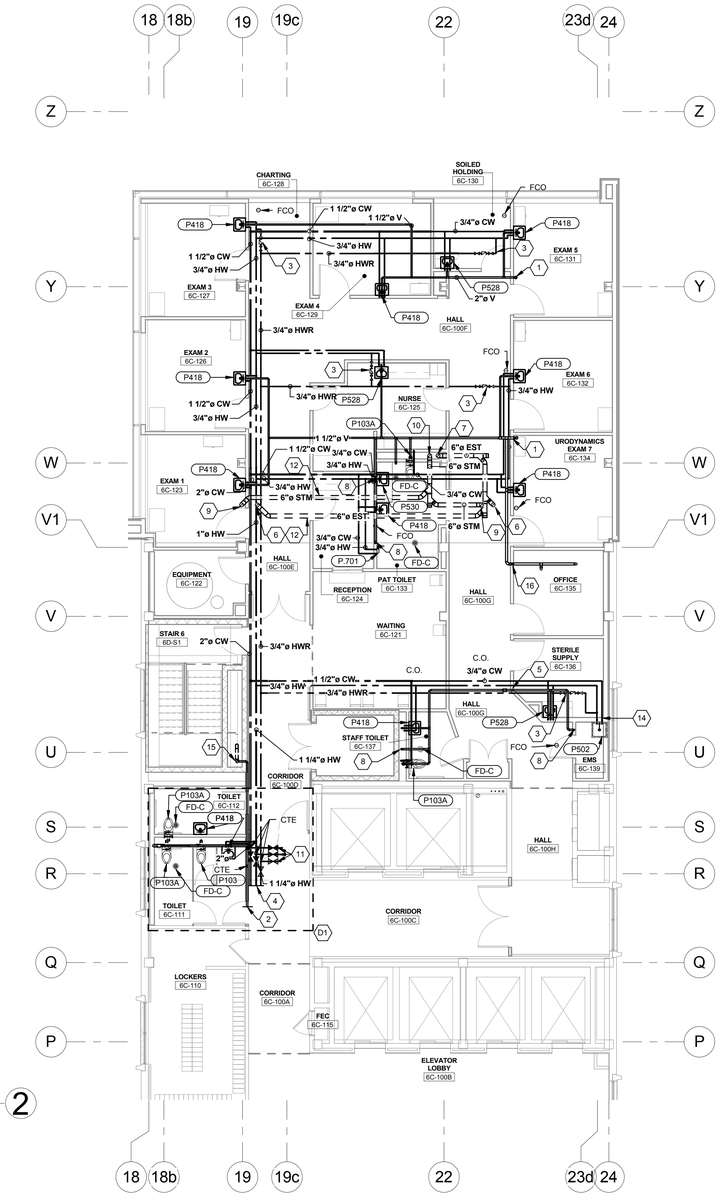
Drawing Number **1-P2.1**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

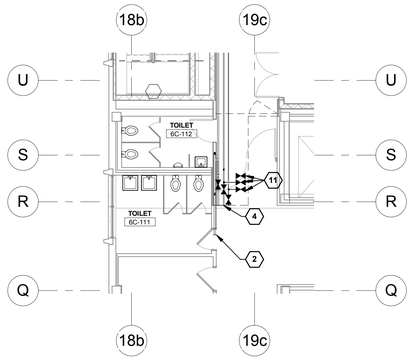
VA FORM 08-6231, OCT 1978



PARTIAL SIXTH FLOOR PLUMBING PLAN — 1

1/8" = 1'-0"

0' 4' 8' 16' 32'



SIXTH FLOOR TOILET ROOM PLUMBING PLAN - DEDUCT ALTERNATE 1 — 2

1/8" = 1'-0"

0' 4' 8' 16' 32'

CODED NOTES

1. 4" VENT UP THRU ROOF.
2. CONNECT NEW 2" VENT INTO EXISTING 2" VENT.
3. PROVIDE DOMESTIC HOT WATER RETURN VALVE ASSEMBLY, SEE DETAIL.
4. CONNECT TO EXISTING 2" DCW, 1-1/4" DHW AND 3/4" DHWR.
5. 4" VENT UP THRU ROOF, 3" VENT DOWN THRU WALL AND FLOOR. TIE INTO EXISTING VENT IN FIFTH FLOOR CEILING.
6. 6" EMERGENCY OVERFLOW STORM PIPE UP TO ROOF DRAIN.
7. 6" EMERGENCY OVERFLOW STORM PIPE DOWN IN CHASE TO FIFTH FLOOR.
8. 2" VENT DOWN THRU FLOOR.
9. 6" STORM UP TO ROOF DRAIN.
10. 6" STORM DOWN IN CHASE TO FIFTH FLOOR.
11. 3/4" BALL VALVE WITH MALE HOSE ADAPTER AND CAP.
12. INSULATE ALL NEW STORM PIPING WITHIN BUILDING.
13. EXISTING PLUMBING FIXTURES AND ASSOCIATED PIPING TO REMAIN.
14. PROVIDE SPRING CHECK VALVES TO BOTH DCW AND DHW BRANCH LINES TO THE MOP SINK.
15. TIE INTO EXISTING 4" VENT IN CHASE. EXTEND 4" VENT UP IN CHASE AND EXTEND 4" VENT UP THRU ROOF. PROVIDE A 4" TEE TO PICK UP 2" VENT. PROVIDE A SECOND TEE AND TIE TEE INTO TOP OF 4" SANITARY.
16. 3" VENT DOWN THRU FLOOR.

DEDUCT ALTERNATE 1

UPON THE ACCEPTANCE OF DEDUCT ALTERNATE 1:

D1. COMPLETE WORK AS SHOWN IN "DEDUCT ALTERNATE 1" PLANS ON THIS DRAWING IN LIEU OF WORK IN OUTLINED AREA

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Drawing Title: **PARTIAL SIXTH FLOOR PLUMBING PLAN**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

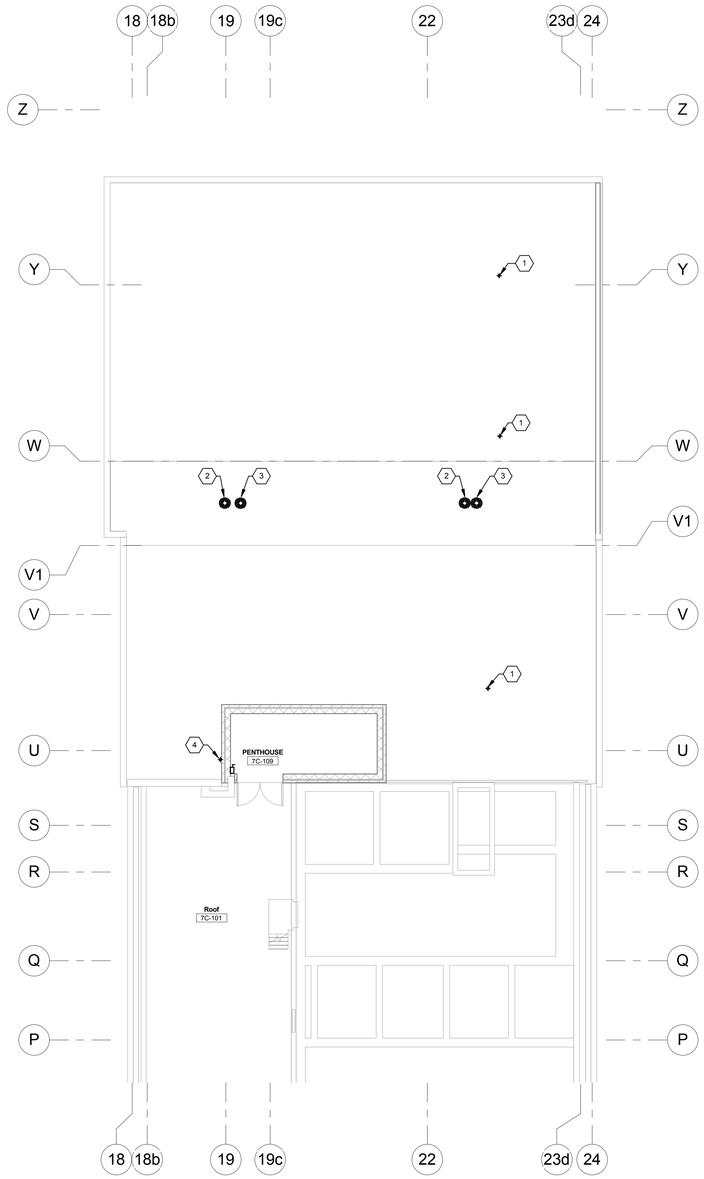
Drawing Number: **1-P2.2**

Dwg. of

Office of Facilities Management

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



PARTIAL SEVENTH FLOOR/ROOF PLUMBING PLAN 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

N

CODED NOTES

1. 4" VENT THRU ROOF. TERMINATE 18" ABOVE ROOF SURFACE.
2. PROVIDE 6" ROOF DRAIN.
3. PROVIDE 6" EMERGENCY ROOF DRAIN.
4. 4" VENT THRU ROOF TERMINATE 18" ABOVE ROOF SURFACE.

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Revisions:	Date
BID ISSUE	02/23/15

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Drawing Title: **PARTIAL SEVENTH FLOOR/ROOF PLUMBING PLAN**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-P2.3**

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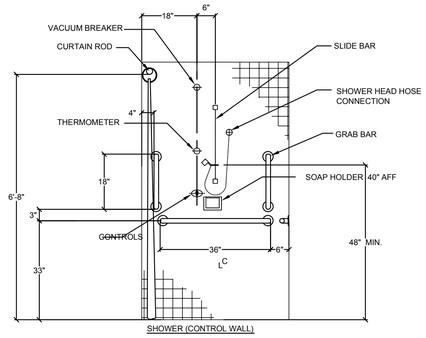
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

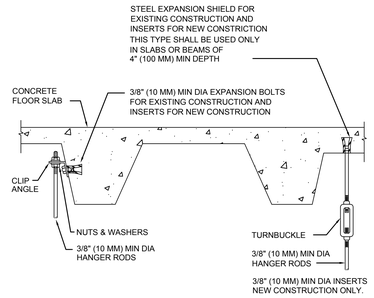
8 SHOWER CONTROL WALL



SHOWER (CONTROL WALL)

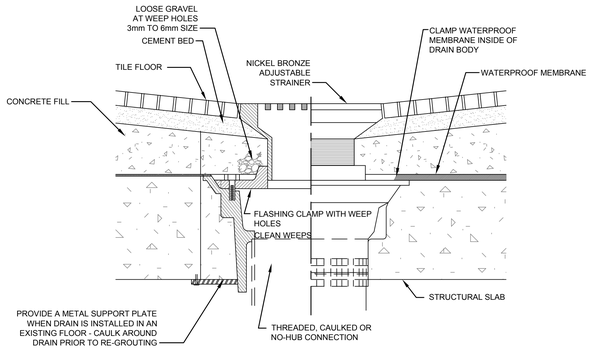
NOT TO SCALE

7 TYPICAL HANGER RODS SECURING METHOD



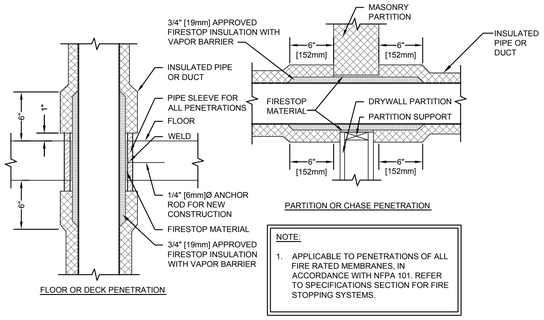
NOT TO SCALE

6 FD-C DETAIL



NOT TO SCALE

5 PIPE / DUCT PENETRATION OF FIRE / SMOKE BARRIERS

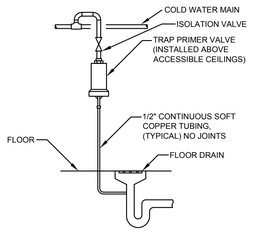


NOTE:

1. APPLICABLE TO PENETRATIONS OF ALL FIRE RATED MEMBRANES, IN ACCORDANCE WITH NFPA 101. REFER TO SPECIFICATIONS SECTION FOR FIRE STOPPING SYSTEMS.

NOT TO SCALE

4 TRAP PRIMER DETAIL

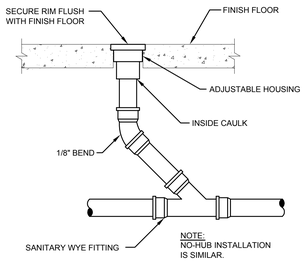


NOTES:

1. ALL FLOOR DRAINS SHALL BE PROVIDED WITH A TRAP PRIMER.
2. TRAP PRIMER PIPING SHALL BE CONCEALED IN WALL.
3. COORDINATE TRAP PRIMER LOCATIONS WITH THE COR PRIOR TO INSTALLATION.

NOT TO SCALE

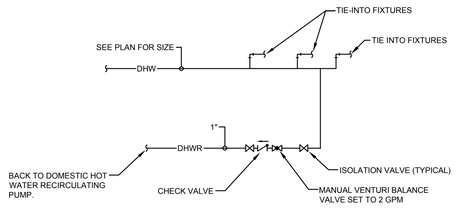
3 FLOOR CLEANOUT DETAIL



NOTE:
NO-HUB INSTALLATION IS SIMILAR.

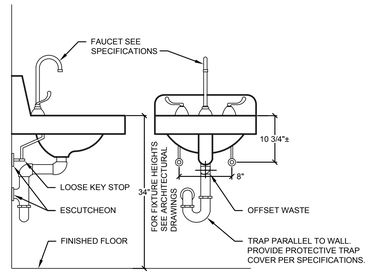
NOT TO SCALE

2 DOMESTIC HOT WATER RETURN VALVE ASSEMBLY DETAIL



NOT TO SCALE

1 ADA LAVATORY DETAIL



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BID ISSUE	02/23/15
Revisions:	**Date**

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Drawing Title
PLUMBING DETAILS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date 02/23/15 | Checked DAD | Drawn JTP

Project Number 541-CSI-102
Building Number 1
Drawing Number **1-P3.1**
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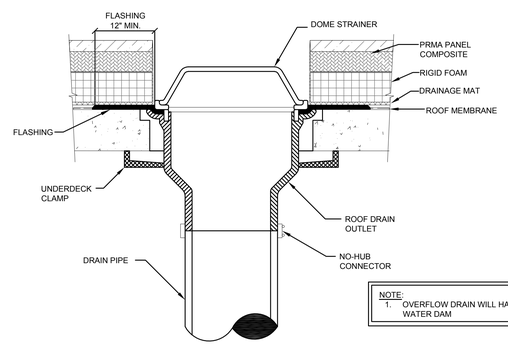
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

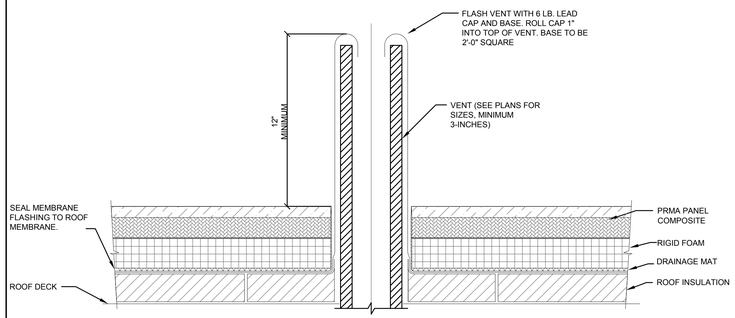
4 ROOF DRAIN DETAIL (BASE BID)



NOTE:
1. OVERFLOW DRAIN WILL HAVE 2 1/2" WATER DAM

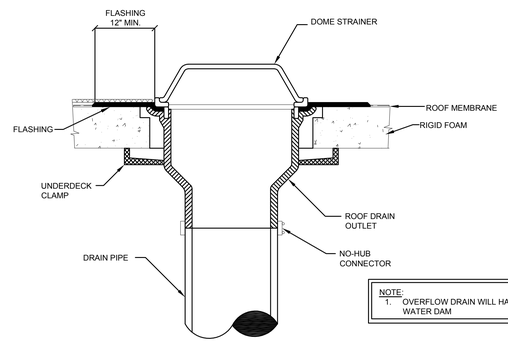
NOT TO SCALE

3 ROOF VENT DETAIL (BASE BID)



NOT TO SCALE

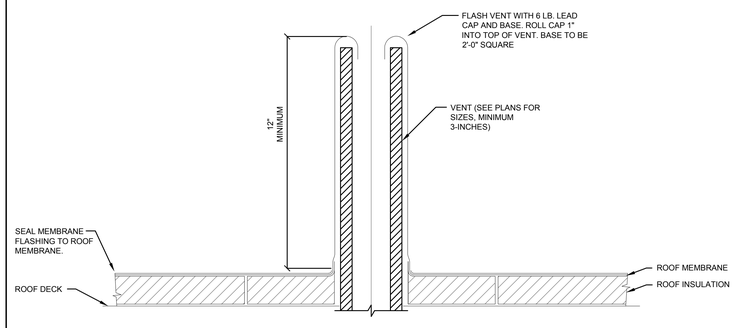
2 ROOF DRAIN DETAIL (DEDUCT ALTERNATE 2)



NOTE:
1. OVERFLOW DRAIN WILL HAVE 2 1/2" WATER DAM

NOT TO SCALE

1 ROOF VENT DETAIL (DEDUCT ALTERNATE 2)



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Drawing Title
PLUMBING ROOF DETAILS

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
VAMC - WADE PARK

Date	Checked	Drawn
02/23/15	DAD	JTP

Project Number
541-CSI-102

Building Number
1

Drawing Number
1-P3.2

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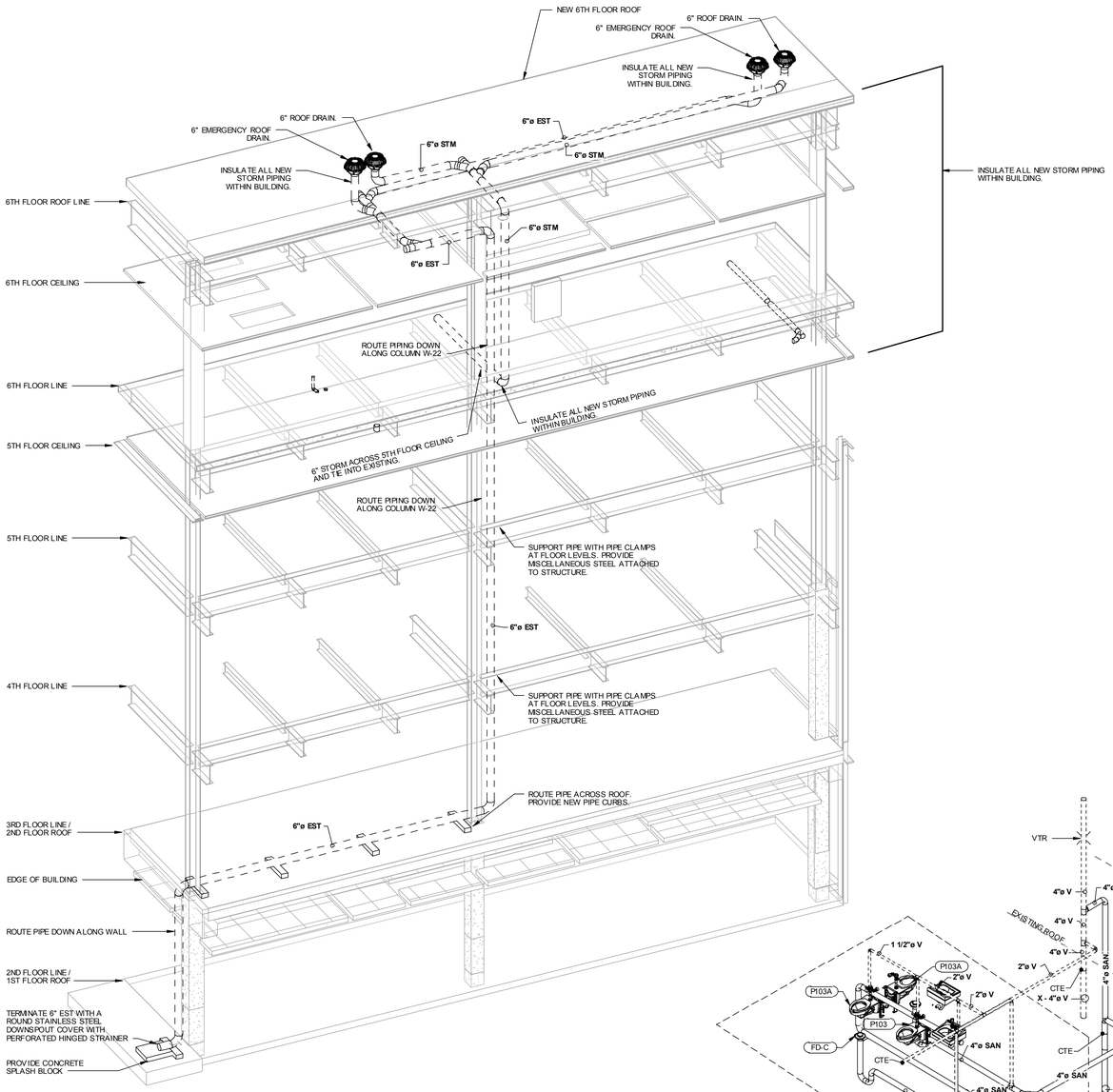
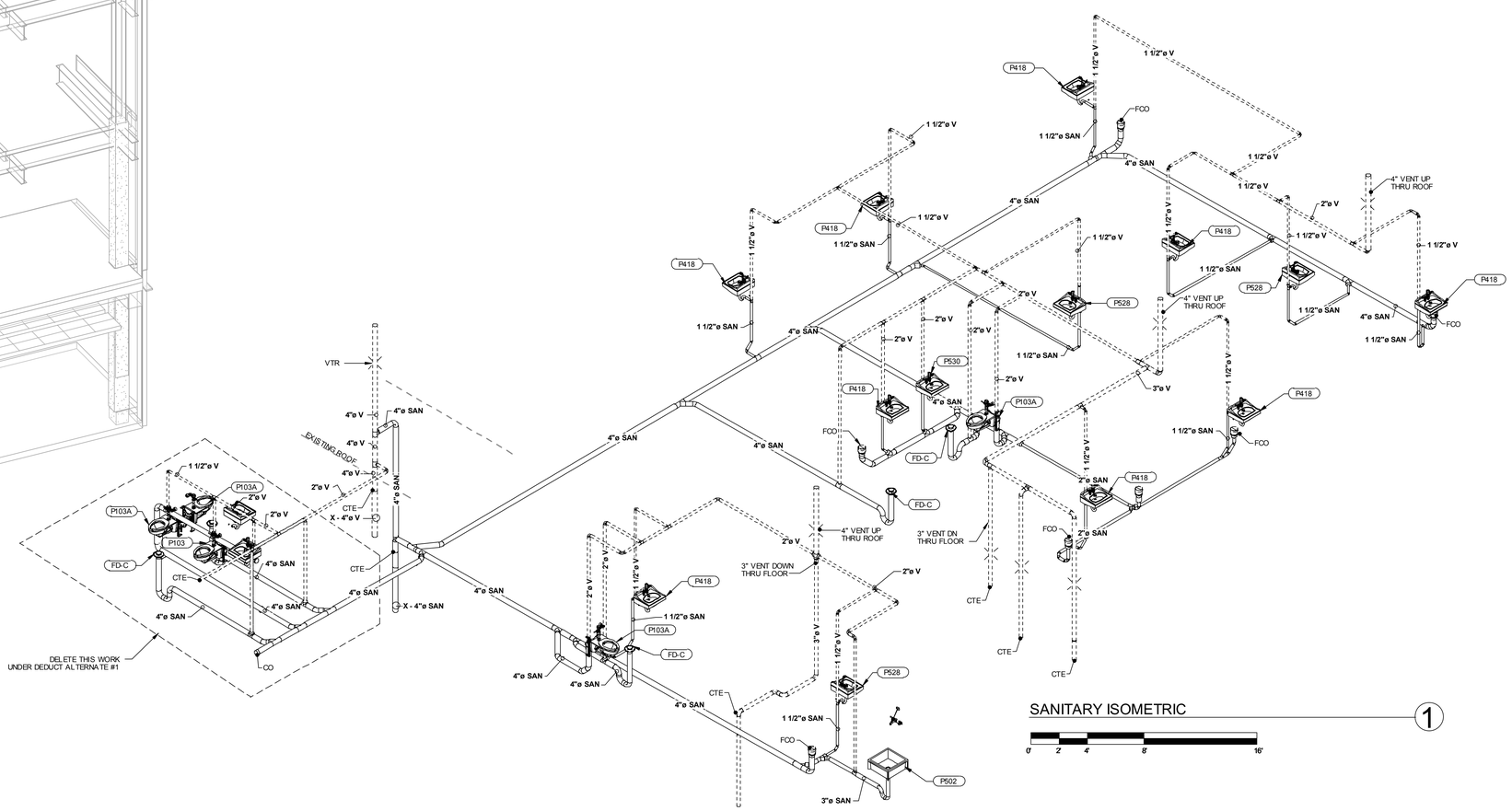
VA FORM 08-6231, OCT 1978



STORM ISOMETRIC — 2

0' 2' 4' 8' 16'



SANITARY ISOMETRIC — 1

0' 2' 4' 8' 16'

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BID ISSUE	02/23/15
Revisions:	Date

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Drawing Title: **PLUMBING ISOMETRICS**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-P4.1**

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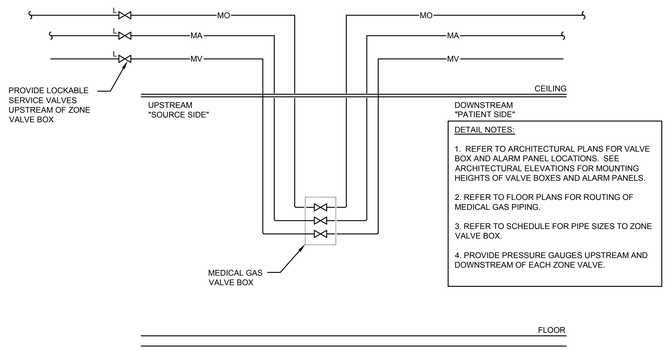


DETAIL NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR VALVE BOX AND ALARM PANEL LOCATIONS. SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHTS OF VALVE BOXES AND ALARM PANELS.
2. REFER TO FLOOR PLANS FOR ROUTING OF MEDICAL GAS PIPING.
3. REFER TO SCHEDULE FOR PIPE SIZES TO ZONE VALVE BOX.
4. PROVIDE PRESSURE GAUGES UPSTREAM AND DOWNSTREAM OF EACH ZONE VALVE.

MEDICAL GAS ZONE VALVE BOX DETAIL (1)

NOT TO SCALE

MEDICAL GAS SYMBOLS:

- XR — EXISTING TO BE REMOVED
- X — EXISTING TO REMAIN
- MO — MEDICAL OXYGEN
- MA — MEDICAL AIR
- MV — MEDICAL VACUUM
- N — NITROGEN
- NO — NITROUS OXIDE
- WAGD — WASTE ANESTHESIA GAS DISPOSAL
- CO2 — CARBON DIOXIDE
- IA — INSTRUMENT AIR
- PIPE DOWN
- PIPE RISE UP
- PIPE CAP
- BRANCH CONNECTION
- ISOLATION VALVE
- LOCKABLE SERVICE/INLINE VALVE
- MEDICAL GAS PRESSURE SENSOR
- MEDICAL GAS CONNECTION WITH OUTLET/INLET
- MEDICAL GAS VACUUM SLIDE
- MEDICAL GAS ALARM PANEL
- MEDICAL GAS VALVE BOX
- INDICATES ACCESS SIDE OF MEDICAL GAS VALVE BOX OR ALARM PANEL
- N.O. — NORMALLY OPEN
- N.C. — NORMALLY CLOSED
- ADJ. — ADJUSTABLE
- PRESSURE GAUGE
- FLEX CONNECTOR
- UNION
- PRESSURE REGULATOR VALVE
- LINE PRESSURE SENSOR

MEDICAL GAS SYMBOLS:

- LIMIT OF DEMOLITION
- CONNECT TO EXISTING
- MEDICAL GAS ZONE VALVE BOX
- LINE PRESSURE ALARM PANEL
- MEDICAL GAS ALARM PANEL
- MG-1 — MEDICAL GAS OUTLET/INLET GROUP

PROJECT COORDINATION NOTES:

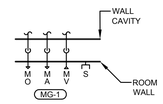
A. THIS PROJECT CONSISTS OF MULTIPLE TRADES OF WORK PERFORMED WITHIN AN EXISTING BUILDING AND A BUILDING ADDITION. ALL OF WHICH ALLOWS VERY LITTLE PERMISSIBLE RANGE OF VARIATION. THE CONTRACTOR SHALL TAKE CAREFUL CONSIDERATION WITH THE COORDINATION AND INSTALLATION OF THE MULTITUDE OF NEW SYSTEMS WHILE ALSO ACCOMMODATING ANY EXISTING SYSTEMS TO REMAIN.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES ASSOCIATED WITH THIS PROJECT AND ISSUING COORDINATION PLANS PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.

C. THE COORDINATION DRAWINGS SHALL ILLUSTRATE ALL SYSTEMS IN PLACE. THE CONTRACTOR SHALL SHOW ALL NECESSARY OFFSETS, TRANSITIONS, ETC. AS REQUIRED IN ORDER TO ACCOMMODATE CONDITIONS IDENTIFIED IN THE FIELD.

D. IF CONFLICTS ARE IDENTIFIED DURING THE DEVELOPMENT OF COORDINATION PLANS, THE CONTRACTOR SHALL NOTIFY THE VA CONTRACTING OFFICER, ARCHITECT, AND/OR ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THE PROJECT PLANS.

E. A COMPLETED SET OF COORDINATION PLANS ISSUED FOR REVIEW SHALL CONFIRM THAT THE CONTRACTOR FULLY UNDERSTANDS THE PROJECT CONSTRAINTS AND ALL KNOWN CONFLICTS HAVE BEEN ADDRESSED.



MEDICAL GAS OUTLETS

MEDICAL GAS GENERAL NOTES:

A. PROVIDE MEDICAL GAS PIPING SYSTEMS AND PIPE LABELS COMPLYING WITH REQUIREMENTS OF NFPA 99 "STANDARD FOR HEALTH CARE FACILITIES", LATEST EDITION.

B. INSTALLATION AND CERTIFICATION SHALL COMPLY WITH ASSE/ANSI SERIES 6000, "PROFESSIONAL QUALIFICATIONS STANDARDS FOR MEDICAL GAS SYSTEMS INSTALLERS, INSPECTORS AND VERIFIERS".

C. PROVIDE COMPATIBLE ACCESSORIES, TUBE, FITTING, AND VALVES FOR EACH SYSTEM.

1. OUTLET / INLET STYLE: DISS
2. MEDICAL GAS TUBE, FITTINGS AND JOINTS: PRE-CLEANED AND SEALED COPPER TUBE: ASTM B 88, TYPE K OR TYPE L, WATER TUBE, SEAMLESS, DRAWN TEMPER, CLEANED FOR MEDICAL GAS USE, PURGED, AND WITH ENDS SEALED.
3. MEDICAL SYSTEM ACCESSORIES: PROVIDE THE MEDICAL GAS SYSTEM ACCESSORIES FROM MANUFACTURER OF EXISTING ACCESSORIES, COMPATIBLE WITH EXISTING SYSTEMS.
4. SERVICE OUTLETS: INCLUDE BRASS VALVE AND BODY BLOCK WITH SEALS IN ROUGH-IN AND FINISHING ASSEMBLIES, STEEL OUTLET BOX AND COVER PLATE; 3/8 INCH TYPE K OR L COPPER TUBE BRAZED TO VALVE; AND PRESSURE OUTLETS WITH AUTOMATIC SECONDARY SERVICE VALVE TO PREVENT GAS FLOW WHEN PRIMARY VALVE IS REMOVED. DISS COUPLING SHALL BE INDEXED TO PREVENT INTERCHANGE BETWEEN SERVICES, CONSTRUCTED TO PERMIT ONE HANDED CONNECTION AND REMOVAL OF EQUIPMENT WITH POSITIVE LOCKING RING WHICH RETAINS EQUIPMENT STEM IN VALVE DURING USE. OUTLET/INLET TYPE OF CONNECTION SHALL BE COORDINATED WITH THE OWNER PRIOR TO ORDERING EQUIPMENT.

D. INSTALL LABELING ON VALVES, VALVE BOX COVERS, AND ALARM PANELS IN ACCORDANCE WITH REQUIREMENTS OF NFPA 99 AND VA STANDARDS. CAPTIONS AND COLOR CODING: PER THE REQUIREMENTS OF NFPA 99 AND VA STANDARDS.

E. LOCATIONS AND ROUTING OF EXISTING PIPING, DUCTWORK AND EQUIPMENT IS PRESUMED FROM EXISTING DRAWINGS. CONTRACTOR SHALL FIELD VERIFY ALL PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.

F. COORDINATE ALL SHUT-DOWNS IF EXISTING MEDICAL GAS AND VACUUM SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.

G. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT.

H. PROVIDE MANUFACTURES RECOMMENDED SERVICE CLEARANCE FOR ALL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER.

I. NEW PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.

J. WHERE EXISTING FIXTURES ARE TO BE REMOVED, REMOVE ALL ASSOCIATED BRANCH PIPING WHICH IS NOT TO BE REUSED. REMOVE PIPING TO MAINS AND CAP REMAINING PIPES.

K. REFER TO ARCHITECTURAL PLANS FOR PROJECT PHASING REQUIREMENTS.

L. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AND GRID AS REQUIRED TO COMPLETE DEMOLITION AND NEW WORK IN AREAS OUTSIDE OF RENOVATION PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TILES OR GRID DAMAGED DUE TO THIS WORK.

M. CONTRACTOR SHALL COMPLETE CERTIFICATION OF SYSTEMS FOR EACH PHASE OF CONSTRUCTION. CERTIFICATION OF PHASE SHALL BE COMPLETED PRIOR TO SUBSEQUENT CONSTRUCTION PHASE.

MEDICAL GAS OUTLET/INLET SCHEDULE (MG-1)

MARK	MEDICAL GAS OUTLET/ INLET QUANTITIES			BRANCH PIPE SIZES TO EACH OUTLET		
	MO	MA	MV	MO	MA	MV
MG-1	7	7	7	1/2"	1/2"	3/4"

NOTES:

1. PROVIDE (1) VACUUM SLIDE FOR EACH VACUUM INLET.

MEDICAL GAS ZONE VALVE BOX SCHEDULE

MARK	MO	MA	MV	WALL SPACE
MVB-1	3/4"	1/2"	1-1/4"	48"

NOTES:

1. LABEL PER VA STANDARDS. AS MINIMUM LIST ROOM NUMBERS OF ROOMS SERVED.

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Drawing Title: **MEDICAL GAS LEGEND**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

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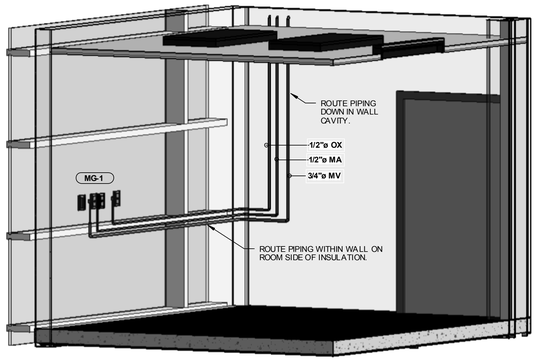
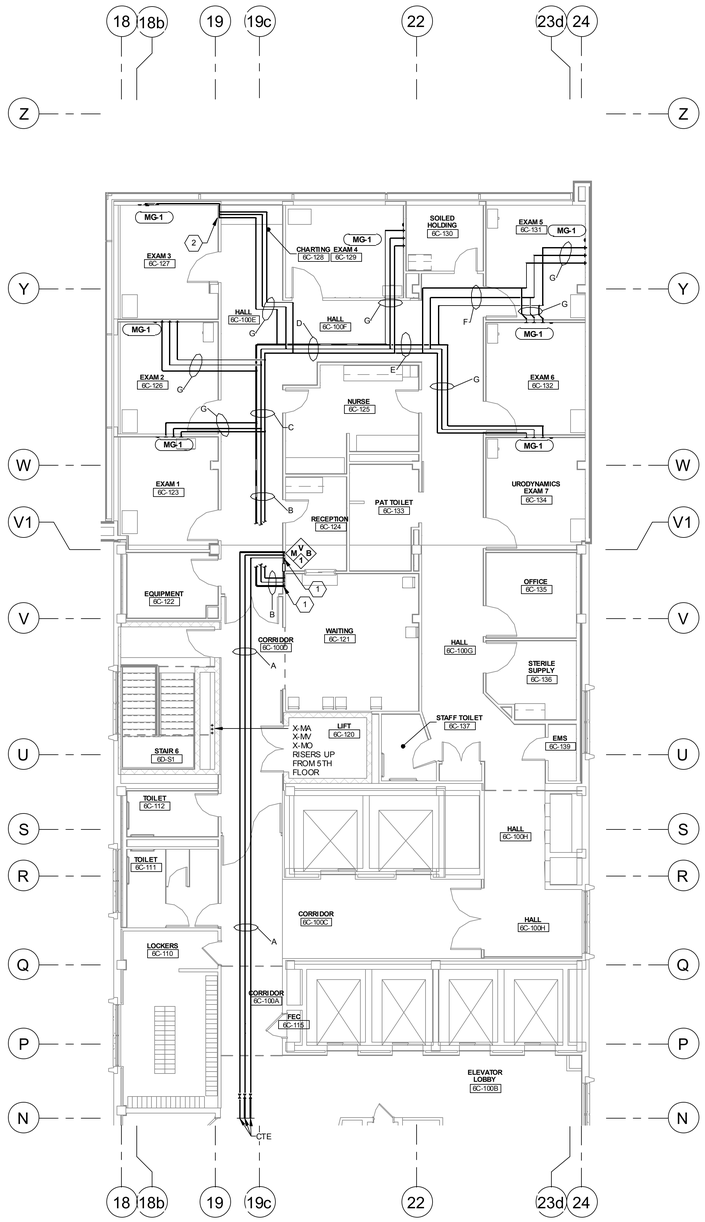


EXAM 3 MEDICAL GAS ISOMETRIC 2

NOT TO SCALE



N

SIXTH FLOOR MEDICAL GAS PLAN 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

MEDICAL GAS PIPE SIZES

TAG	MO	MA	MV
A	3/4"	1/2"	1-1/4"
B	3/4"	1/2"	1-1/4"
C	3/4"	1/2"	1-1/4"
D	3/4"	1/2"	1-1/4"
E	1/2"	1/2"	1"
F	1/2"	1/2"	3/4"
G	1/2"	1/2"	3/4"

GENERAL NOTES

A. CONTRACTOR SHALL HIRE A THIRD PARTY MEDICAL GAS CERTIFICATION COMPANY TO REVIEW, INSPECT, AND TEST MEDICAL GAS INSTALLATION AND CERTIFY COMPLIANCE WITH NFPA.

CODED NOTES

1. MEDICAL GAS PIPES DROP IN WALL TO ZONE VALVE BOX.
2. MEDICAL GAS PIPES DROP IN WALL TO SERVE MEDICAL GAS OUTLETS IN EXAM 3. SEE ISOMETRIC, THIS DWG.

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Drawing Title: **SIXTH FLOOR MEDICAL GAS PLAN**

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Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

COMMISSIONING NOTES:

A. ALL WORK ASSOCIATED WITH THE SCI ADDITION SHALL BE COMMISSIONED. THE MECHANICAL CONTRACTOR, CONTROLS CONTRACTOR, TAB CONTRACTOR, AND COMMISSIONING AGENT SHALL WORK TOGETHER TO FULLY COMMISSION ALL OF THE MODIFIED AND NEW EQUIPMENT AS OUTLINED IN THE PLANS.

B. THE VA COR AND A REPRESENTATIVE FROM FACILITIES SHALL BE NOTIFIED SO THAT THEY MAY WITNESS COMMISSIONING FOR EACH MODIFIED SYSTEM AND NEW EQUIPMENT. LACK OF NOTIFICATION WILL RESULT IN RE-COMMISSIONING AT THE CONTRACTORS EXPENSE.

C. CONTRACTORS SHALL REFERENCE THE COMMISSIONING SPECIFICATIONS FOR A DETAILED DESCRIPTION OF THE SCOPE OF WORK.

D. CONTRACTORS SHALL BE RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES AND RE-COMMISSIONING ANY CORRECTED WORK.

E. THE SCOPE OF THIS PROJECT INCLUDES COMMISSIONING BY AN INDEPENDENT COMMISSIONING AGENT OUTLINED IN THE SPECIFICATIONS. THE WORK, EQUIPMENT, AND SYSTEMS TO BE COMMISSIONED SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:
1. NEW AIR HANDLING UNIT AND ASSOCIATED FANS AND ACCESSORIES
2. NEW EXHAUST FANS
3. NEW HEATING EQUIPMENT, INCLUDING RADIANT PANELS, FIN TUBE, REHEAT COILS
4. VARIABLE SPEED DRIVES
5. TEMPERATURE CONTROLS
6. SEQUENCE OF OPERATIONS

PROJECT COORDINATION NOTES:

A. THIS PROJECT CONSISTS OF MULTIPLE TRADES OF WORK PERFORMED WITHIN AN EXISTING BUILDING AND A BUILDING ADDITION, ALL OF WHICH ALLOWS VERY LITTLE PERMISSIBLE RANGE OF VARIATION. THE CONTRACTOR SHALL TAKE CAREFUL CONSIDERATION WITH THE COORDINATION AND INSTALLATION OF THE MULTITUDE OF NEW SYSTEMS WHILE ALSO ACCOMMODATING ANY EXISTING SYSTEMS TO REMAIN.

B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL TRADES ASSOCIATED WITH THIS PROJECT AND ISSUING COORDINATION PLANS PRIOR TO COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.

C. THE COORDINATION DRAWINGS SHALL ILLUSTRATE ALL SYSTEMS IN PLACE. THE CONTRACTOR SHALL SHOW ALL NECESSARY OFFSETS, TRANSITIONS, ETC. AS REQUIRED IN ORDER TO ACCOMMODATE CONDITIONS IDENTIFIED IN THE FIELD.

D. IF CONFLICTS ARE IDENTIFIED DURING THE DEVELOPMENT OF COORDINATION PLANS, THE CONTRACTOR SHALL NOTIFY THE VA CONTRACTING OFFICER, ARCHITECT, AND/OR ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THE PROJECT PLANS.

E. A COMPLETED SET OF COORDINATION PLANS ISSUED FOR REVIEW SHALL CONFIRM THAT THE CONTRACTOR FULLY UNDERSTANDS THE PROJECT CONSTRAINTS AND ALL KNOWN CONFLICTS HAVE BEEN ADDRESSED.

HVAC GENERAL NOTES:

A. CONTRACTOR SHALL FIELD VERIFY CONDITIONS SHOWN ON DESIGN DOCUMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION. NOTIFY ENGINEER OF ANY CONDITIONS WHICH WILL NOT PERMIT THE WORK TO BE PERFORMED AS INDICATED ON THESE DRAWINGS.

B. COORDINATE ALL SHUT-DOWNS OF EXISTING MECHANICAL SYSTEMS WITH OWNER A MINIMUM OF TEN WORKING DAYS IN ADVANCE.

C. PRIOR TO INSTALLATION, VERIFY PRECISE LOCATION OF NEW WALL MOUNTED DEVICES WITH OWNER AND ARCHITECT. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR PRECISE LOCATION OF CEILING MOUNTED DEVICES. COORDINATE ROOF MOUNTED EQUIPMENT WITH ARCHITECT PRIOR TO INSTALLATION.

D. PROVIDE SERVICE CLEARANCE FOR ALL MECHANICAL EQUIPMENT. REFER TO INSTRUCTIONS FROM THE EQUIPMENT MANUFACTURER. MAINTAIN A MINIMUM OF 18 INCH CLEARANCE AT CONTROLS FOR VARIABLE AIR VOLUME TERMINALS AND FAN POWERED TERMINALS ABOVE CEILINGS.

E. NEW DUCTS OR PIPING SHALL NOT BE ROUTED ABOVE ELECTRICAL PANELS. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF PANELS.

F. CONTRACTOR SHALL INSTALL MANUAL BALANCING DAMPERS ON ALL SUPPLY AND RETURN DUCTWORK BRANCHES SERVING DIFFUSERS OR GRILLES. DAMPERS SHALL BE INSTALLED IN AN ACCESSIBLE LOCATION AS CLOSE TO MAIN AS POSSIBLE.

G. REFER TO TERMINAL CONNECTIONS SCHEDULE FOR SIZE OF DUCT CONNECTIONS TO TERMINAL UNITS.

H. UNLESS NOTED OTHERWISE, BRANCH DUCTS TO DIFFUSERS SHALL BE THE SAME SIZE AS THE NECK OF THE DIFFUSER.

I. NO TEMPERATURE SENSING CONTROL DEVICES SHALL BE LOCATED OVER HEAT PRODUCING DEVICES.

J. INSTALL ALL EQUIPMENT TO BE DEAD LEVEL.

K. FIRE DAMPERS ARE SHOWN AT THE LOCATION TO BE ACCESSED/SERVICED. PROVIDE DUCT ACCESS DOOR AND AS NOTED. PROVIDE FLUSH ACCESS PANEL WITH TAMPER RESISTANT ENTRY PER NFPA.

L. TIGHT CLEARANCES MAY OCCUR IN THE EXISTING BUILDING. CONTRACTOR SHALL PREPARE SHEET METAL SHOP DRAWINGS FOR APPROVAL PRIOR TO FABRICATING SHEET METAL. COORDINATE WITH ALL OTHER TRADES.

M. MECHANICAL DRAWINGS ARE DIAGRAMMATICAL WHERE DUCT SIZE SHOWN IS IN CONFLICT WITH STRUCTURE OR OTHER BUILDING SYSTEM, CONTRACTOR MAY MODIFY DUCT SIZE AND PROVIDE EQUIVALENT FREE AREA DUCT.

N. WHERE EQUIPMENT IS TO BE REMOVED, REMOVE ALL ASSOCIATED PIPING, DUCTWORK, CONTROLS, CONCRETE PADS, SUPPORTS, ETC. PATCH WALL AND FLOOR OPENINGS TO MATCH ADJACENT SURFACES.

O. CONTRACTOR SHALL REMOVE AND REPLACE CEILING TILES AND GRID AS REQUIRED TO COMPLETE DEMOLITION AND NEW WORK IN AREAS OUTSIDE OF RENOVATION PROJECT. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ANY TILES OR GRID DAMAGED DUE TO THIS WORK.

MECHANICAL LEGEND AND ABBREVIATIONS

NOTE: THIS LEGEND IS INTENDED TO AID IN THE UNDERSTANDING OF SHORTHAND, SYMBOLS AND ABBREVIATIONS SHOWN IN THESE CONSTRUCTION DOCUMENTS. IT IS NOT THE INTENTION TO DESCRIBE THE PROJECT SCOPE OF WORK, FOR DETAILED SCOPE OF WORK PLEASE REFER TO THE SUBSEQUENT DRAWINGS.

CALL OUTS:

#	REFERENCE TO CODED NOTE
EQUIPMENT TYPE — EQ-# — UNIT NUMBER	EQUIPMENT OR FIXTURE MARK
TYPE — A CFM NECK — CONNECTION SIZE AT DEVICE	AIR DISTRIBUTION DEVICE
	REMOVE TO POINT INDICATED
	CONNECT TO EXISTING

ABBREVIATIONS:

RO	ROOF OPENING
CTE	CONNECT TO EXISTING
LOD	LIMIT OF DEMOLITION
PC	PLUMBING CONTRACTOR
FC	FIRE SUPPRESSION CONTRACTOR
HC	HVAC CONTRACTOR
TC	TEMPERATURE CONTROL CONTRACTOR
GC	GENERAL TRADES CONTRACTOR
EC	ELECTRICAL CONTRACTOR
TCP	TEMPERATURE CONTROL PANEL
SA	SUPPLY AIR
RA	RETURN AIR
EA	EXHAUST AIR
AFF	ABOVE FINISHED FLOOR
AD	ACCESS DOOR
TO	OPENING IN TOP OF DUCT. SHALL BE A MINIMUM 1.5 TIMES GREATER THAN THE CROSS-SECTIONAL AREA OF DUCT.
MOD	MOTORIZED 2-WAY CONTROL VALVE
FDD	FIRE DAMPER IN DUCT
FSD	COMBINATION FIRE/SMOKE DAMPER IN DUCT
KHE	KITCHEN HOOD EXHAUST

DEMOLITION SYMBOLS:

X	EXISTING TO REMAIN
XR	EXISTING TO BE REMOVED
XRL	EXISTING TO BE RELOCATED
XNL	EXISTING NEW LOCATION

DUCTWORK SYMBOLS:

24x18	RECTANGULAR DUCT SIZE
12"Ø	ROUND DUCT SIZE
	MANUAL BALANCING DAMPER ON DUCT TO BE MOUNTED OVER ACCESSIBLE CEILING
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	SUPPLY AIR DUCT
UC	INDICATES UNDERCUT DOOR - UNDERCUT 1" SEE ARCHITECTURAL PLANS.
	INDICATES TRANSITION (SINGLE LINE)
*	INDICATED DUCT TO BE ROUTED WITHIN BEAM/JOIST SPACE (EX. 12x12")
	SUPPLY AIR DIFFUSER
	SHADING INDICATES TO PROVIDE QUADRANT BLANK-OFF IN NECK OF DIFFUSER. TO BE FURNISHED WITH DIFFUSER.
X'-X"	INDICATES BOTTOM OF DUCT DIMENSION ABOVE FINISHED FLOOR
	INDICATES DIRECTION OF AIRFLOW

HVAC CONTROLS:

@	MANUAL OVERRIDE
T	THERMOSTAT
H	HUMIDITY SENSOR
H	HUMIDITY SENSOR WITH SETPOINT ADJUSTMENT
S	STATIC PRESSURE SENSOR
	CURRENT TRANSFORMER ON MOTOR WIRING WITH TRANSDUCER
L	LOW LIMIT THERMOSTAT
VFD	VARIABLE FREQUENCY DRIVE FOR MOTOR
EM	ELECTRIC MOTOR
	MOTOR STARTER

HVAC PIPING:

9'-2"	HEIGHT OF BOTTOM OF PIPE ABOVE FLOOR
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
PHWS	PERIMETER HEATING WATER SUPPLY
PHWR	PERIMETER HEATING WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
ACC	AIR CONDITIONING CONDENSATE
	BRANCH PIPE CONNECTION
	ISOLATION VALVE
	CHECK VALVE
	UNION
	REDUCER
	STRAINER
	BALANCING VALVE
	TWO POSITION VALVE
	PRESSURE REDUCING VALVE
	FLEXIBLE PIPE CONNECTOR
	THERMOMETER IN PIPE WELL
	PIPE GUIDE
	PIPE EXPANSION ANCHOR
E.L.	FLEXIBLE METAL EXPANSION LOOP ASSEMBLY
	GAUGE PORT (PETE'S PLUG)
	DRAIN VALVE WITH HOSE FITTING
	PRESSURE GAUGE
	LOCAL DRAIN, VALVED WITH 3/4" THREADED CONNECTOR
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
TF	TANK FITTING
MAV	MANUAL AIR VENT
	PRESSURE RELIEF VALVE
	RADIANT CEILING PANEL (SEE SCHEDULES)

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Drawing Title: **MECHANICAL LEGEND AND GENERAL NOTES**

Approved:

Project Title: **SCI OUTPATIENT CLINIC ADDITION**

Location: **VAMC - WADE PARK**

Date: 02/23/15 | Checked: DAD | Drawn: JTP

Project Number: 541-CSI-102

Building Number: 1

Drawing Number: **1-M0.1**

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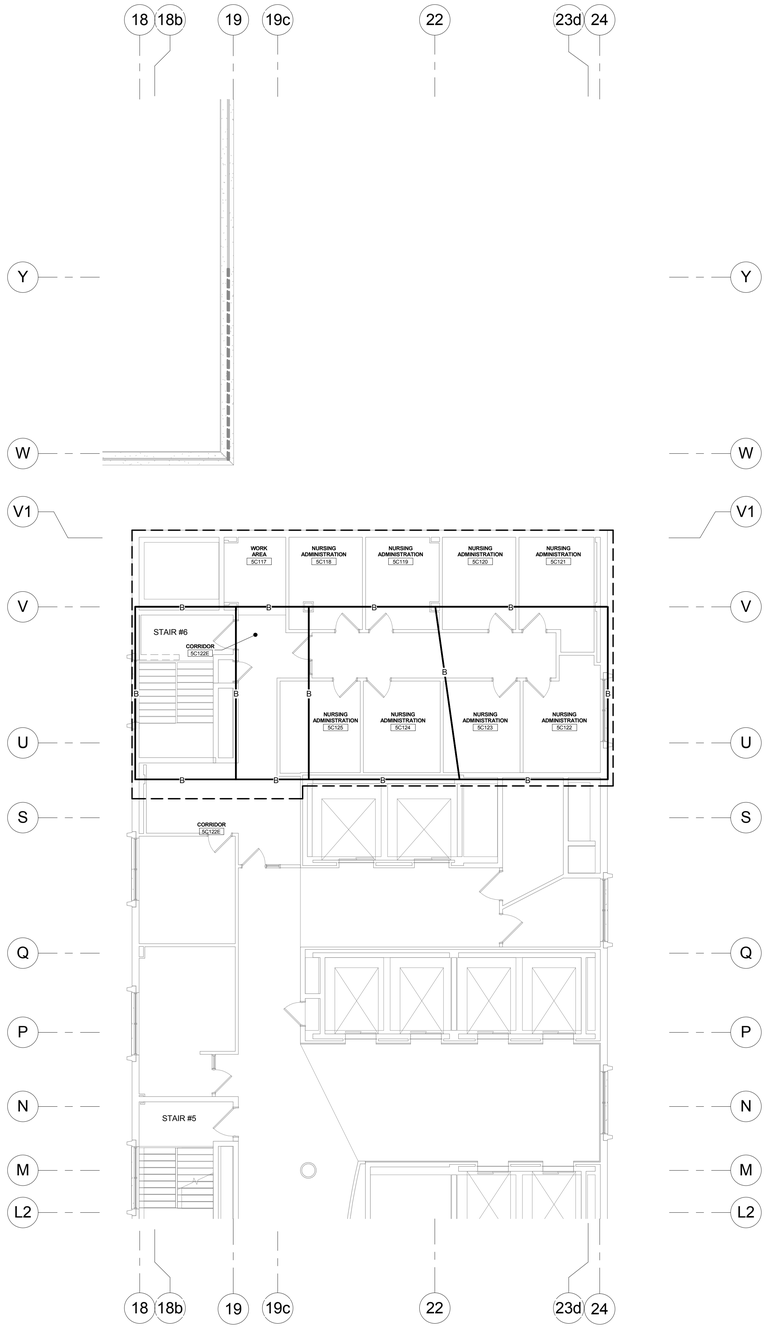

REMOVE SECTIONS OF SPRINKLER PIPING, SANITARY VENT, HEATING HOT WATER PIPING, AND STORM PIPE WITHIN THE BOUNDARY AREA TO ALLOW FOR STRUCTURAL STEEL WORK. PROVIDE NEW OFFSETS AND NEW PIPING TO RECONNECT SYSTEM AND REPLACE INSULATION AFTER STRUCTURAL WORK IS COMPLETE.

N

PARTIAL FIFTH FLOOR MECHANICAL DEMOLITION PLAN 1

1/8" = 1'-0"

0' 4' 8' 16' 32'

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Drawing Title
PARTIAL FIFTH FLOOR MECHANICAL DEMOLITION PLAN

Approved:

Project Title
SCI OUTPATIENT CLINIC ADDITION

Location
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Date 02/23/15 | Checked DAD | Drawn JTP

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