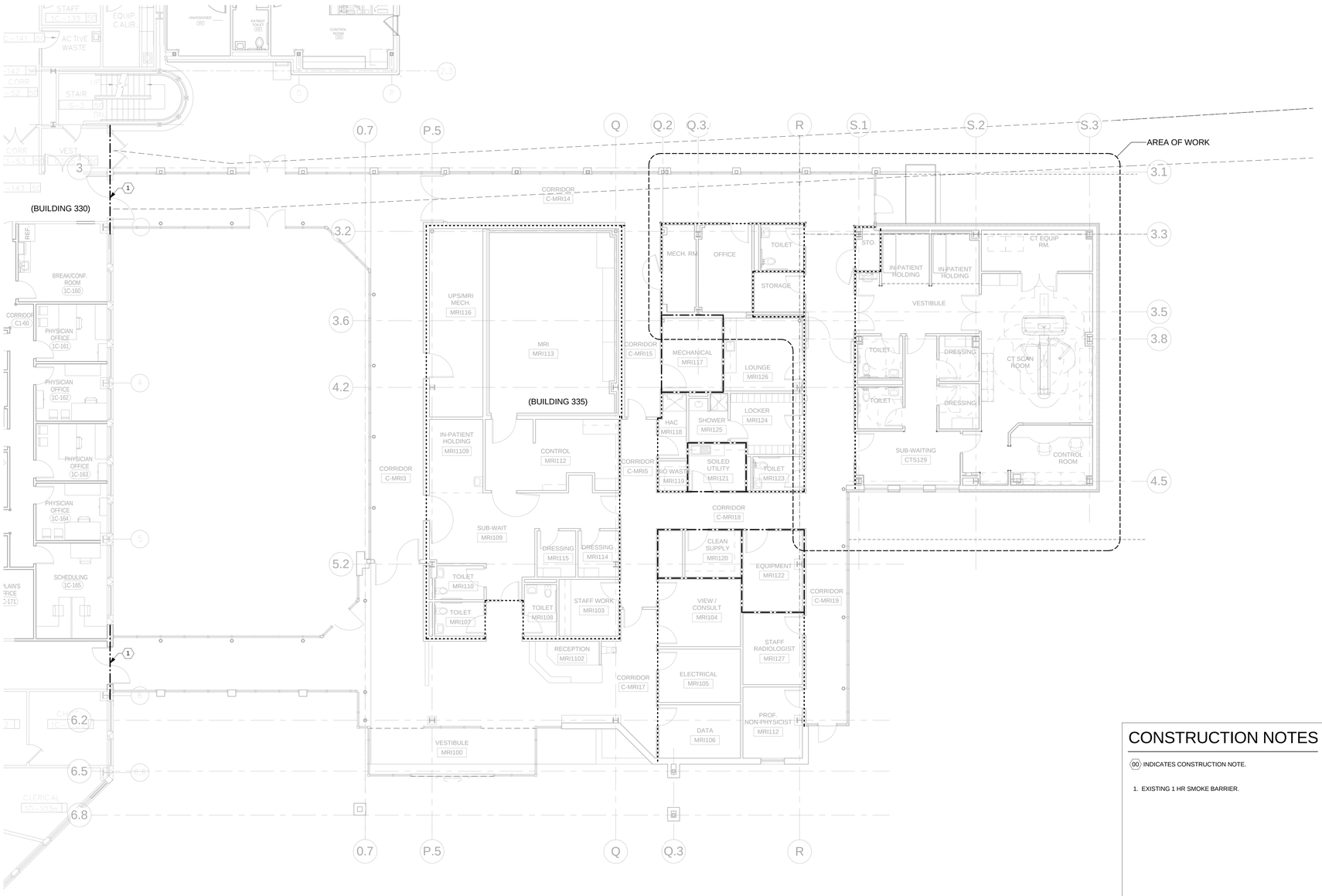

1 FIRST FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

CODE INFORMATION (BASED ON NFPA 101 & OBC 2011)

PROJECT DESCRIPTION:

PROJECT CONSISTS OF CONSTRUCTION OF A NEW ADDITION TO BUILDING 335 FOR A NEW CT SCAN SUITE

BUILDING DESCRIPTION:

HOSPITAL: 1 STORY - EXTERIOR WALLS METAL STUDS WITH MANUFACTURED STONE VENEER. INTERIOR WALLS ARE METAL FRAMING WITH GYPSUM BOARD. VERTICAL STRUCTURE IS STRUCTURAL STEEL FRAMING.

USE GROUP CLASSIFICATION:

OBC (302.1) USE GROUP	= I-2 - HOSPITAL
OBC (508.3) MIXED OCCUPANCIES	= NO, (NON-SEPARATED USE)

HEIGHT AND AREA LIMITATIONS

OBC (503) BUILDING AREA & HEIGHT

ALLOWABLE	= AREA: UNLIMITED SF / HEIGHT: 160' / STORIES: 4
NEW ADDITION AREA:	= 2,775 SF FIRST FLOOR
ACTUAL HEIGHT	= 18'-0"
RENOVATION AREA	= 219 SF
EXISTING MRI (BLDG. 335)	= 8,138 SF

CONSTRUCTION TYPE CLASSIFICATION:

OBC (602) CONSTRUCTION TYPE = IB (NFPA TYPE II - 222)

FIRE RESISTANT RATINGS:

STRUCTURAL FRAME:	2 HRS (1-HR WHERE SUPPORTING ROOF ONLY)
EXTERIOR BEARING WALLS:	0 HRS.
INTERIOR BEARING WALLS:	2 HRS (1-HR WHERE SUPPORTING ROOF ONLY)
NON-BEARING WALLS (INTERIOR)	0 HRS.
FLOOR CONSTRUCTION	2 HRS.
ROOF CONSTRUCTION	1 HR.
CORRIDORS	0 HRS.
SHAFTS	N/A
EXIT ENCLOSURES	N/A

INTERIOR FINISHES

PER TABLE OBC 803.9

MINIMUM FINISHES REQUIREMENTS:
- VERTICAL EXITS AND EXIT PASSAGEWAYS - CLASS B
- CORRIDORS - CLASS B
- ROOMS AND ENCLOSED SPACES - CLASS B

FIRE PROTECTION

REQUIREMENT:	OBC 903.2.1 AND 903.2.3 REQUIRE AUTOMATIC FIRE SUPPRESSION
BUILDING DESCRIPTION:	= FULLY AUTOMATIC FIRE SUPPRESSION

FIRE ALARM SYSTEM

REQUIREMENT:	REQUIRED

OCCUPANT LOAD

OBC (1004) ALLOWABLE	= 100 NET SF PER OCCUPANT
BUILDING DESCRIPTION:	= 28 PERSONS

FIRE RESISTANCE ASSEMBLIES

UL NO. D907	FLOOR ASSEMBLY (NEW HIGH ROOF IS CONSIDERED FLOOR ASSEMBLY TO ACCOMMODATE FUTURE SECOND FLOOR ADDITION) (2 HR.)
UL NO. P801	ROOF ASSEMBLY - LOW ROOF (1 HR.)
UL NO. X772	COLUMNS "W" SHAPE (1 HR. & 2 HRS.)
UL NO. X628	COLUMNS WITH INTUMESCENT MASTIC COATING (2 HRS.)
UL NO. U465	GYPSUM BOARD WALL ASSEMBLIES (1HR.)

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. EXISTING 1 HR SMOKE BARRIER.

LEGEND

NON-RATED SMOKE PARTITION

1 HR. FIRE BARRIER

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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STATE OF OHIO PETER S. HARSH 7044 REGISTERED ARCHITECT
Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: LIFE SAFETY PLAN

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. LS1.1

VAMC, DAYTON

VA Department of Veterans Affairs

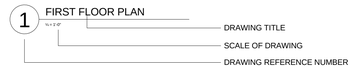
VA FORM 08-6231, OCT 1978

ABBREVIATIONS

SYMBOL	
@	AT
&	AND
∠	ANGLE
Ø	DIAMETER
℄	CENTER LINE
[	CHANNEL
O_2	OXYGEN
⅊	PLATE
A	
A	AIR (MEDICAL)
ABV	ABOVE
A/C	AIR CONDITIONING
APC	ACOUSTICAL PANEL CEILING
ADJ	ADJACENT OR ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLER UNIT
AL	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
ANCH	ANCHOR
AP	ACCESS PANEL
APPOX	APPROXIMATELY
ARCH	ARCHITECT OR ARCHITECTURAL
ATTEN	ATTENUATED
AUTO	AUTOMATIC
AUX	AUXILIARY
AVG	AVERAGE
B	
BC	BASE CABINETS
BLDG	BUILDING
BD	BOARD
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT-UP ROOF
C	
C	CARPET
CAB	CABINET
CB	CATCH BASIN
C/C	CENTER TO CENTER
CEM	CEMENT
CF	CUBIC FOOT
CG	CORNER GUARD
CIR	CIRCLE
CJ	CONTROL JOINT
CLG	CEILING
CLOS	CLOSET
CLR	CLEAR
CMT	CERAMIC MOSAIC TILE
CMU	CONCRETE MASONRY UNIT
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS OR CONTINUE
CPU	CENTRAL PROCESSING UNIT (COMPUTER)
CRS	COURSE OR COURSING
CY	CUBIC YARD
D	
DBL	DOUBLE
DEMO	DEMOLISH, DEMOLITION
DEV	DEVELOPMENT
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DS	DOWNSPOUT
DR	DOOR
DRWG	DRAWING
DET	DETAIL
E	
E	EAST
EA	EACH
EC	ELECTRICAL CONTRACTOR
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATION OR ELEVATOR
EMERG	EMERGENCY
EP	ELECTRICAL PANEL
EPT	EPOXY PAINT
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXIST OR EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	
FAB	FABRICATED OR FABRICATING
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF	FINISH FLOOR
FIN	FINISH OR FINISHED
FLR	FLOOR
FND	FOUNDATION
FT	FOOT OR FEET OR FULLY TEMPERED
FTG	FOOTING
FTW	FIRE TREATED WOOD
FUR	FURRING
FV	FIELD VERIFY
FOW	FACE OF WALL
G	
GA	GUAGE OR GAGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GD	GRADE OR GRADING
GEN	GENERAL
GL	GLASS OR GLAZING
GND	GROUND
GYP	GYPSUM
GWB	GYPSUM WALLBOARD
GWT	GLAZED WALL TILE
H	
HB	HOSE BIBB
HD	HEAD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPDL	HIGH PRESSURE DECORATIVE LAMINATE
HR	HOUR
HT	HEIGHT
HVAC	HEATING, VENTILATING & AIR CONDITION
HWD	HARDWARE
I	
ID	INSIDE DIAMETER
IG	INSULATED GLASS
IN	INCH
INCL	INCLUDE (D) (ING)
INT	INTERIOR
INV	INVERT
IV	INTRAVENOUS
J	
JB	JUNCTION BOX
JC	JANITOR CLOSET
K	
K	KIPS
KT	KITCHEN
L	
L	LONG
LAV	LAVATORY
LBS	POUNDS
LCD	LIQUID CRYSTAL DISPLAY (MONITOR)
LH	LEFT HAND
LIN	LINEAR
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LT	LIGHT
LTL	LINTEL
LVR	LOUVER
M	
M	MEN OR METER
MAS	MASONRY
MAT	MATERIAL OR WALKOFF MAT
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MECH	MECHANICAL
MED	MEDICINE
MFR	MANUFACTURER
MH	MOUNTING HEIGHT, MANHOLE
MIL	THOUSANDTHS OF AN INCH
MM	MILLIMETER
MIN	MINIMUM
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
N	
N	NORTH OR NITROGEN
NAT	NATURAL
NC	NURSE CALL
NIC	NOT IN CONTRACT
NO	NUMBER OR NITROUS OXIDE
NOM	NOMINAL
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE
O	
OD	OUTSIDE DIAMETER
OH	OVERHEAD
OHD	OVERHEAD DOOR
OPNG	OPENING
OPP	OPPOSITE
OX	OXYGEN
P	
PAR	PARALLEL
PC	PLUMBING CONTRACTOR
PCF	POUNDS PER CUBIC FOOT
PL	PLATE OR PROPERTY LINE
PLAS	PLASTER
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLWD	PLYWOOD
PME	PLUMBING, MECHANICAL & ELECTRICAL
PNL	PANEL
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
P	PAINT
PVC	POLYVINYL CHLORIDE
Q	
QT	QUARRY
QUANT	QUANTITY
R	
R	RADIUS OR RISER
RA	RETURN AIR
RB	RUBBER BASE
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REFRIG	REFRIGERATOR
REG	REGISTRATION
REINF	REINFORCE
REM	REMOVE
REQD	REQUIRED
RET	RETURN
REV	REVISION
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
S	
S	SOUTH
SA	SUPPLY AIR
SAN	SANITARY
SB	SINK BASE
SC	SOLID CORE
SCHED	SCHEDULE
SEAL	SEALANT
SECT	SECTION
SF	SQUARE FEET
SG	SAFETY GLASS
SH	SPRINKLER HEAD OR SHOWER HEAD
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SPEC	SPECIFICATION(S)
SPK	SPEAKER
SQ	SQUARE
SRV	SERVICE
SS	STAINLESS STEEL
SSM	SOLID SURFACING MATERIAL
ST	STREET
STC	SOUND TRANSMISSION CLASSIFICATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STR	STRUCTURAL
SUSP	SUSPENDED
SV	SHEET VINYL
SWD	SOFTWOOD
SYM	SYMMETRICAL
SYS	SYSTEM
T	
T	TREAD
T & G	TONGUE & GROOVE
TB	TOWEL BAR OR TACKBOARD
T&B	TOP AND BOTTOM
TEL	TELEPHONE
THK	THICK
TKBD	TACKBOARD
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TOM	TOP OF MASONRY
TOW	TOP OF WALL
TPD	TOILET PAPER DISPENSER
TRANS	TRANSFORMER
TV	TELEVISION
TYP	TYPICAL
U	
UC	UNDER CABINET OR COUNTER
UCR	UNDER COUNTER REFRIGERATOR
UH	UNIT HEATER
UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
UR	URINAL
V	
V	VACUUM
VAR	VARNISH
VB	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VJ	V-JOINT (ED)
VS	VACUUM SLIDE
VWB	VINYL WALL BORDER
VWC	VINYL WALL COVERING
VYL	VINYL
W	
W	WIDE OR WEST OR WOMEN
W/	WITH
W/O	WITHOUT
WB	WOOD BASE
WC	WATER CLOSET OR WALL CABINET
WD	WOOD
WF	WIDE FLANGE
WG	WIRE GLASS
WH	WALL HUNG OR WATER HEATER
WIN	WINDOW
WP	WEATHERPROOF
WPT	WOOD PRESERVATIVE TREATMENT
WRGB	WATER RESISTANT GYPSUM BACKING BOARD
WT	WEIGHT
WWF	WELDED WIRE FABRIC

REFERENCE SYMBOLS

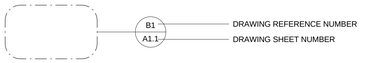
DRAWING TITLE



INTERIOR ELEVATIONS

BUILDING/DETAIL SECTION

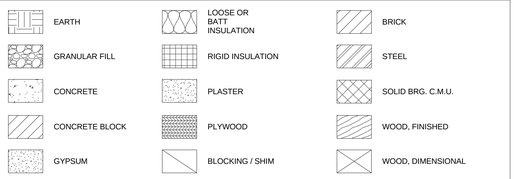
ENLARGED DETAIL



EXTERIOR ELEVATIONS

MATCH LINE

MATERIAL SYMBOLS IN SECTION

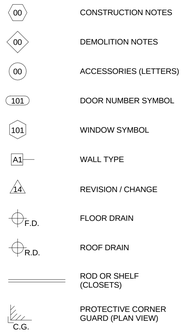


DRAWING SYMBOLS

COLUMN CENTER LINES

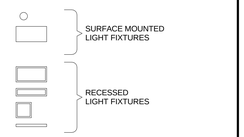
ROOM SYMBOL

PLAN SYMBOLS

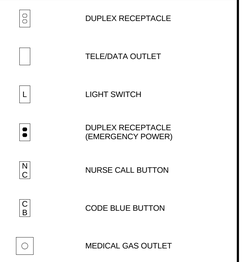


ELEVATION SYMBOLS

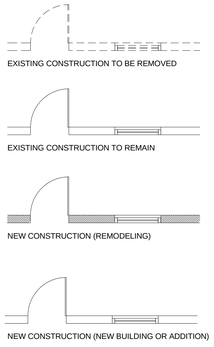
REFLECTED CEILING SYMBOLS

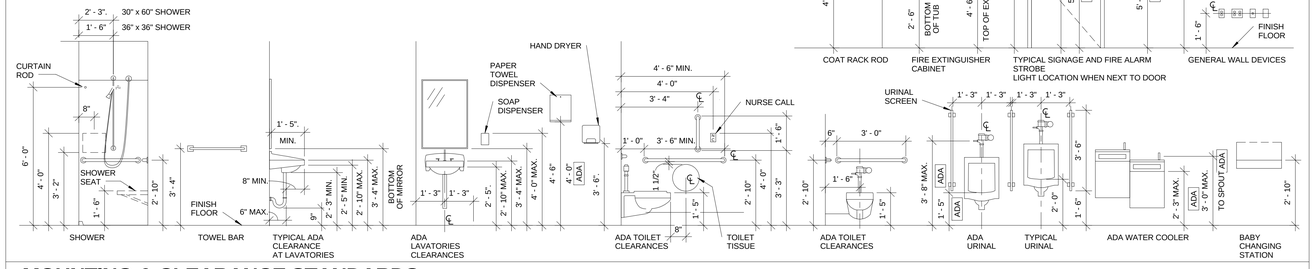


INTERIOR ELEVATION SYMBOLS



TYPICAL WALL CONVENTIONS





MOUNTING & CLEARANCE STANDARDS

N.T.S.

(FOLLOW THESE UNLESS NOTED OTHERWISE)

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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STATE OF OHIO
PETER S. HARSH
7044
REGISTERED ARCHITECT

Peter S. Harsh. License #7044
Expiration Date 12/31/2013

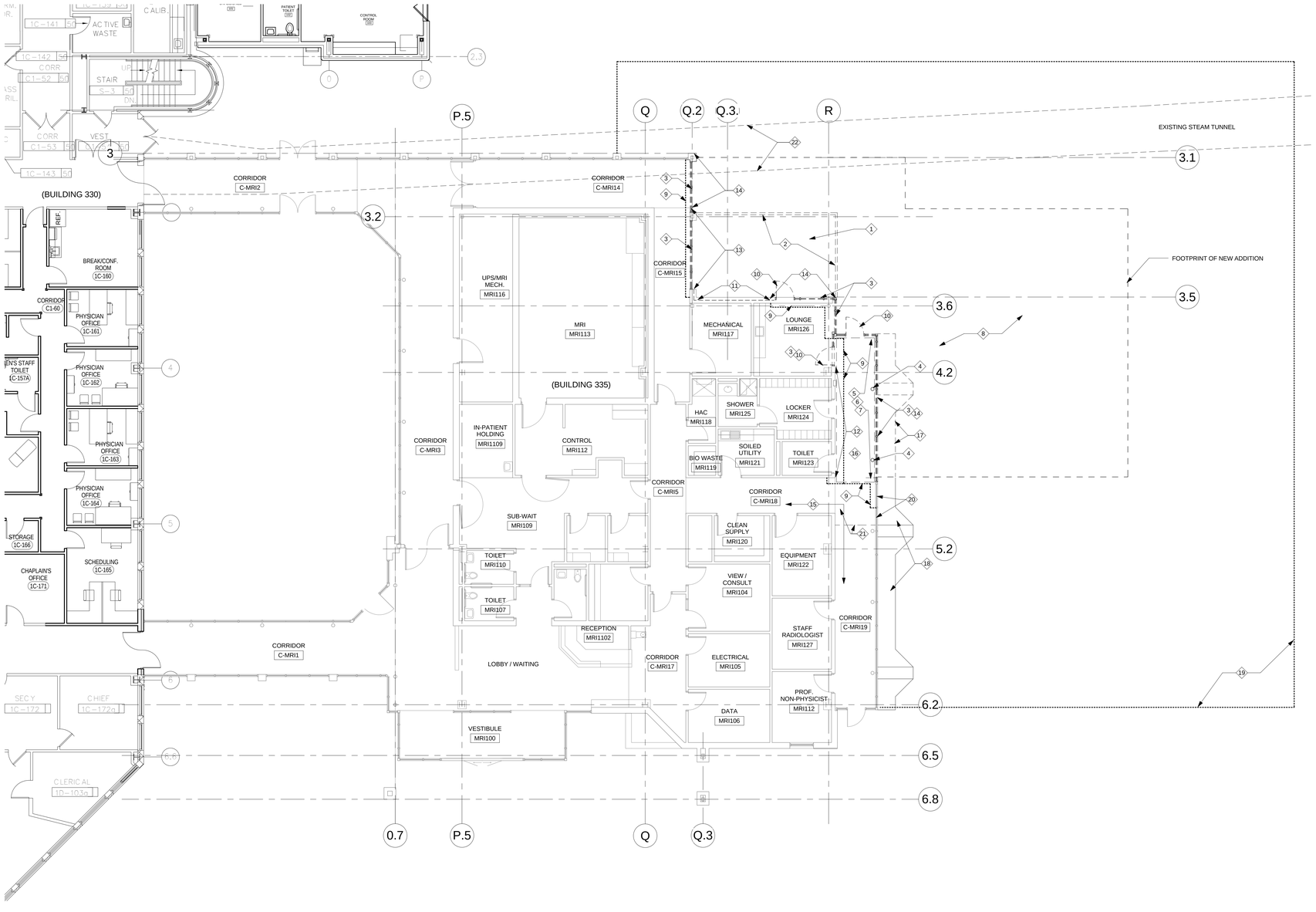
Revised By:

Drawing Title	ABBREVIATIONS, SYMBOLS & CODE INFORMATION
Project Title	SITE PREP FOR CT SCANNER
Date	01-31-2013
Project No.	552-CSI-333
Approved: Project Manager	RANDI FIORINA
Building Number	335
Checked	PSH
Drawn	FO
Drawing No.	AS0.1
Approved: Service Chief	GARY ABREU
Location	4100 WEST THIRD STREET DAYTON, OH 45428

VAMC - DAYTON

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 FIRST FLOOR DEMOLITION PLAN
1/8" = 1'-0"

DEMOLITION NOTES

(00) INDICATES DEMOLITION NOTE.

1. REMOVE EXISTING CONCRETE PAD.
2. REMOVE EXISTING RAILING.
3. REMOVE EXISTING STOREFRONT SYSTEM.
4. REMOVE EXISTING COLUMNS.
5. REMOVE PORTION OF EXISTING FLOORING/CONCRETE SLAB.
6. REMOVE PORTION OF EXISTING CEILING AND LIGHT FIXTURES. REFER TO ELECTRICAL DRAWINGS.
7. REMOVE PORTION OF EXISTING ROOF FRAMING AND ROOF IN THIS AREA. REFER TO STRUCTURAL DRAWINGS.
8. REMOVE EXISTING GRASS & TOP SOIL IN PREPARATION FOR NEW WORK. REFER TO CIVIL & STRUCTURAL DRAWINGS.
9. CONSTRUCT 1 HR. FIRE RATED TEMPORARY DUST BARRIER AROUND CONSTRUCTION AREAS CONSISTS OF METAL STUDS, 5/8" GYPSUM BOARD, AND FIBERGLASS INSULATION. PAINT OCCUPIED SIDE TO MATCH SURROUNDING AREA. PROVIDE TEMPORARY DOOR AS REQUIRED. COORDINATE ADDITIONAL REQUIREMENTS, EXTENT & LOCATION WITH COR. RELOCATE TEMPORARY BARRIER AS REQUIRED FOR CONSTRUCTION OF NEW ADDITION.
10. REMOVE EXISTING DOOR.
11. REMOVE EXISTING MFR. STONE VENEER SYSTEM (SALVAGE FOR REUSE), RIGID INSULATION. PATCH AND REPAIR WALL AS REQUIRED. EXISTING STEEL STUD FRAMING AND SHEATHING TO REMAIN.
12. EXISTING WALL TO REMAIN. ABOVE LOW ROOF REMOVE EXISTING MFR. STONE VENEER SYSTEM (SALVAGE FOR REUSE), RIGID INSULATION. PATCH AND REPAIR WALL AS REQUIRED. PREPARE FOR NEW CONSTRUCTION.
13. REMOVE PORTION OF EXISTING BRICK VENEER AND METAL SIDING PANEL ABOVE EXISTING STOREFRONT.
14. REMOVE EXISTING METAL SIDING PANELS ABOVE STOREFRONT AND COLUMN COVERS.
15. PROVIDE UNOBSTRUCTED EGRESS AT ALL TIMES.
16. REMOVE EXISTING CONCRETE SLAB IN PREPARATION FOR NEW CONCRETE FINISH.
17. REMOVE PORTION OF EXISTING ACCENT STONE AREAS. SALVAGE TO REUSE TO PATCH AND REPAIR AS NECESSARY MATCH EXISTING.
18. RECONSTRUCT STONE AREAS TO MATCH EXISTING. USE SALVAGED STONE. MATCH EXISTING LAYOUT. SEE CIVIL DRAWINGS.
19. CONSTRUCTION FENCE WITH VEHICULAR GATE, REFER TO SPECIFICATION FOR ADDITIONAL REQUIREMENTS. COORDINATE EXTENTS WITH COR.
20. REMOVE AND RECONSTRUCT PORTION OF EXISTING STOREFRONT AS REQUIRED TO ACCOMMODATE NEW WORK.
21. REMOVE PORTION OF STAINED CONCRETE FLOOR BETWEEN THE EXISTING CONTROL JOINTS. REFER TO SHEET AS9.1 FOR LAYOUT OF NEW WORK. COORDINATE WORK IN THIS AREA SO EGRESS IT IS MAINTENED AT ALL TIMES.
22. EXISTING STEAM TUNNEL TO REMAIN.

GENERAL NOTES

A. REFER TO STRUCTURAL AND PME DRAWINGS FOR OTHER ITEMS THAT NEED TO BE REMOVED.

B. REFER TO CIVIL DRAWINGS FOR GRADING, SITE ITEMS & UTILITIES THAT NEED TO BE REMOVED AND RELOCATED.

C. PRIOR TO EXCAVATION AND SITE WORK, OBTAIN ACCURATE LOCATION AND MARK EXISTING UTILITIES.

D. BUILDING 335 (MRI ADDITION) IS CURRENTLY UNDER CONSTRUCTION. FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT AND THE COR OF ANY DISCREPANCIES.

E. THE VA WILL OCCUPY PREMISES DURING ENTIRE CONSTRUCTION PERIOD (WITH EXCEPTION OF AREAS UNDER CONSTRUCTION). CONSTRUCTION ACTIVITY SHALL NOT IMPEDE ACTIVITY IN AREAS OUTSIDE CONSTRUCTION LIMITS.

F. DURING DEMOLITION AND RECONSTRUCTION ATTENTION MUST BE GIVING TO MAINTAINING AND PRESERVING THE STRUCTURAL INTEGRITY OF THE BUILDINGS. IF ANY UNFORESEEN SITUATION DEVELOPS PLEASE NOTIFY THE COR AND ARCHITECT IMMEDIATELY.

G. COORDINATE DEMOLITION AND NEW WORK WITH PHASING SEQUENCE:
- PHASE 1: RELOCATION OF TELECOM / DATA UTILITIES
- PHASE 2: RELOCATION OF WATER, SEWER, STORM AND GAS UTILITIES
- PHASE3: CONSTRUCTION OF CT SCANNER ADDITION

H. REFER TO SPECIFICATION SECTION GENERAL REQUIREMENTS FOR THE INFECTION PREVENTION MEASURES THAT SHALL BE TAKEN DURING CONSTRUCTION.

I. PROVIDE CONSTRUCTION FENCES AROUND ALL AREAS OF CONSTRUCTION, INCLUDING ALL SITE UTILITIES EXCAVATION AREAS. REFER TO SPECIFICATION SECTION GENERAL REQUIREMENTS FOR DETAILS.

J. THE LOCATION FOR STAGING AREA AND TEMPORARY MOBILE OFFICE SHALL BE COORDINATED WITH THE COR.

K. CONTRACTOR SHALL RESTORE THE STAGING AREA TO ITS ORIGINAL CONDITION, INCLUDING RESTORATION OF TOP SOIL AND PLANTING OF GRASS SEED IN GRASS AREAS IF NECESSARY.

L. CONTRACTOR SHALL PLAN AND COORDINATE ALL WORK ON THE SOUTH PARKING LOT TO MINIMIZE DISRUPTION TO THE ENTIRE PARKING LOT AREA AND TO THE ADA PARKING SPACES. RELOCATED TEMPORARY ADA PARKING SPACES WILL BE REQUIRED DURING CONSTRUCTION IN PARKING LOT AREAS.

M. CONTRACTOR SHALL MAINTAIN ACCESS AND EGRESS FROM BUILDINGS 330, 335 & 408 AT ALL TIME. DISRUPTIONS TO BUILDING SERVICES, BUILDING ENTRANCES AND WALKWAYS SHALL BE MINIMIZED DURING CONSTRUCTION.

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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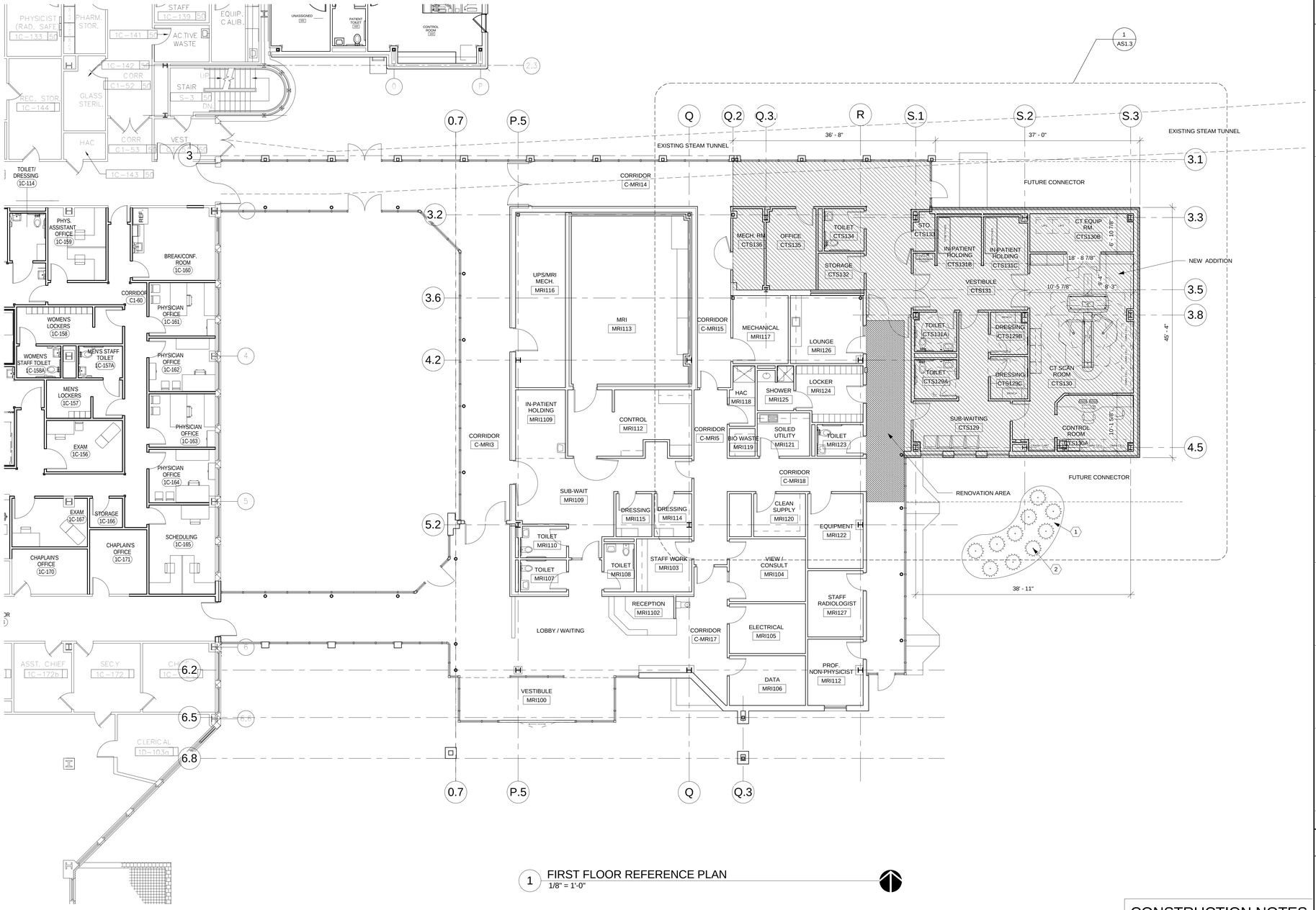
STATE OF OHIO
PETER S. HARSH
7044
REGISTERED ARCHITECT
Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: FIRST FLOOR DEMOLITION PLAN
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. AS1.1

VAMC, DAYTON
Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 FIRST FLOOR REFERENCE PLAN
1/8" = 1'-0"

TYPICAL INTERIOR PARTITIONS

TYPE	STUD WIDTH	PARTITION WIDTH	FIRE RATING	TESTING AGENCY, ASSEMBLY NO.	NOTES	DETAIL (PLAN VIEW)
A1	3 5/8"	4 7/8"	-.	-	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO BOTTOM TO DECK ABOVE	
A2	3 5/8"	4 7/8"	-.	-	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND 6" ABOVE CEILING	
C1	1 5/8"	2 1/4"	-	-	METAL STUDS @ 16" O.C. 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO 6" ABOVE CEILING	
C2	3 5/8"	4 1/4"	-.	-	METAL STUDS @ 16" O.C. 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND 6" ABOVE CEILING	
D1	3 5/8"	VARIES	-.	-	DOUBLE ROW METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO DECK ABOVE	
F1	3 5/8"	4 7/8"	SMOKE RESIS-TANCE	N/A	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO DECK ABOVE. SEAL PERIMETER AND PENETRATIONS.	
F2	3 5/8"	4 7/8"	1 HR.	U.L. NO. U465	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO DECK ABOVE. PERIMETER FIRE CAULK.	
F3	6"	7 1/4"	SMOKE RESIS-TANCE	N/A	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD EACH SIDE EXTEND TO DECK ABOVE SEAL PERIMETER AND PENETRATIONS.	
L1	3 5/8"	4 7/8"	-.	-	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD ONE SIDE 5/8" LEAD-LINED GYPSUM WALLBOARD ONE SIDE, EXTEND TO CEILING HEIGHT . REFER TO FLOOR PLAN FOR THICKNESS REQUIRED. EXTEND 5/8" GYPSUM WALLBOARD ABOVE TO DECK	
L2	3 5/8"	5 3/8"	-.	-	METAL STUDS @ 16" O.C. 3 1/2" SOUND ATTENUATION BATT 5/8" TYPE X GYPSUM WALLBOARD ONE SIDE 5/8" TYPE X GYPSUM WALLBOARD AND 1/2" LEAD-LINED GYPSUM WALLBOARD ONE SIDE, EXTEND TO CEILING HEIGHT . REFER TO FLOOR PLAN FOR THICKNESS REQUIRED. EXTEND 5/8" GYPSUM WALLBOARD ABOVE TO DECK	
L3	-	-	-.	-	5/8" LEAD-LINED GYPSUM WALLBOARD ONE SIDE, EXTEND TO CEILING HEIGHT . REFER TO FLOOR PLAN FOR THICKNESS REQUIRED. EXTEND 5/8" GYPSUM WALLBOARD ABOVE TO DECK (EXTERIOR WALL WITH COLD-FORMED METAL FRAMING - SEE WALL SECTION FOR DETAILS)	

GENERAL NOTES

A. MOISTURE/MOLD RESISTANT GYPSUM WALLBOARD TO BE USED BEHIND ALL SINK AREAS.

B. PROVIDE & INSTALL DEFLECTION TRACK AT ALL INTERIOR WALLS THAT EXTEND TO DECK. SEE SHEET AS8.1 FOR TYPICAL WALL DETAILS.

C. UL TEST NUMBERS FOR INTERIOR PARTITIONS WILL VARY DEPENDING ON THE MANUFACTURER OF COMPONENTS ACTUALLY USED. MAINTAIN RATING AND ADVISE IF WALL THICKNESS WILL CHANGE.

D. DRYWALL CONTRACTOR TO PAINT WALL RATINGS LABELS AT MAX. 12 FEET O.C ON ALL FIRE RATED PARTITIONS. LABEL TO BE PAINTED WITH A STENCIL MIN. OF 4 INCHES IN HEIGHT, BLACK COLOR.

E. FIRE RATED WALLS AND SMOKE PARTITIONS ARE TO BE CONSTRUCTED TIGHT TO STRUCTURE, PIPING AND OTHER PENETRATIONS. ALL PENETRATIONS AND PERIMETER OF WALLS TO BE FIRE CAULK.

F. METAL STUD PARTITIONS SHALL BE BRACED TO STRUCTURE ABOVE.

G. ALL FULL HEIGHT PARTITIONS TO HAVE ACOUSTICAL SEALANT AT BOTTOM & TOP PLATES.

H. REFER TO SHEET AS8.1 FOR TYPICAL INTERIOR PARTITIONS DETAILS.

I. USE CEMENTITIOUS BACKER UNITS AT ALL LOCATIONS TO RECEIVE CERAMIC TILE.

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. MULCHED PLANT BED AND TOP SOIL, SEE DETAIL B1/AS4.1

2. SHRUB, GC TO PROVIDE (10) GREY OWL JUNIPER, (JUNIPERUS V. "GREY OWL")

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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PETER S. HARSH
7044
REGISTERED ARCHITECT

Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: FIRST FLOOR REFERENCE PLAN

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. AS1.2

VAMC, DAYTON

Department of Veterans Affairs

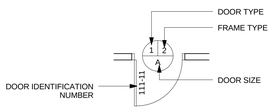
VA FORM 08-6231, OCT 1978

1/31/2013 8:12:21 AM

File Name

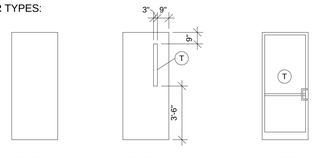
DOOR & FRAME SCHEDULE

1. PLAN INDICATION SYMBOL



NOTE: SIMILAR ANNOTATION FOR DOUBLE DOOR (NOT SHOWN)

2. DOOR TYPES:



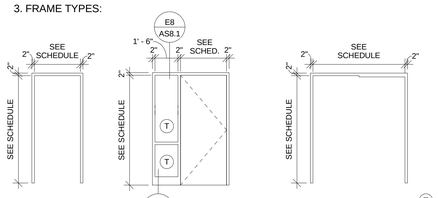
TYPE 1
FLUSH

TYPE 2
NARROW LITE

TYPE 3
ALUMINUM STOREFRONT

(T) INDICATES TEMPERED SAFETY GLAZING

3. FRAME TYPES:



TYPE F1
SINGLE /PAIR STANDARD

TYPE F2
SINGLE STANDARD

TYPE F3
PAIR DOUBLE EGRESS

4. DOOR SIZES:

A: 3'-0" X 7'-0"
B: 6'-0" X 7'-0"
C: 7'-4" X 7'-0"

DOOR SCHEDULE

DOOR No.	DOOR SIZE	DOOR MAT.	DOOR TYPE	DOOR FIN.	FRAME TYPE	FRAME DETAILS JAMB	FRAME DETAILS HEAD	FRAME DETAILS SILL	FIRE RTG.	HDW. SET	REMARKS
CMRI-14	A	ALUM	3	ALUM	- -	D1/AS5.2	E1/AS5.2	F1/AS5.2		SH-4C1	
CMRI-19	C	WD	2	STAIN	F3	F7/AS8.1	E7/A8.1			8B	1
CTS-129.1	A	WD	1	STAIN	F2	C8/AS8.1	B8/AS8.1			4K1	
CTS-129.2	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			4K2	
CTS-129A	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			2J	5
CTS-129B	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			2J	5
CTS-129C	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			2J	5
CTS-130.1	A	WD	1	STAIN	F1	B3/AS8.1	B3/AS8.1			4X1	3
CTS-130.2	B	WD	1	STAIN	F1	B3/AS8.1	B3/AS8.1			10H1	1, 4, 3
CTS-130.B	B	WD	1	STAIN	F1	B3/AS8.1	B3/AS8.1			10E1	3
CTS-131	B	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			10J1	1, 4
CTS-131A	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			2J	5
CTS-132	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			5B	
CTS-133	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			5B	
CTS-134	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			2G	5
CTS-135	A	WD	1	STAIN	F1	C8/AS8.1	B8/AS8.1			3E	
CTS-136	A	HM	1	P-3	F1	C8/AS8.1	B8/AS8.1			5G	
MRI-126	A	WD	1	STAIN	F2	C7/AS8.1	B7/AS8.1			4D1	

REMARKS:

NUMBERED REMARKS:

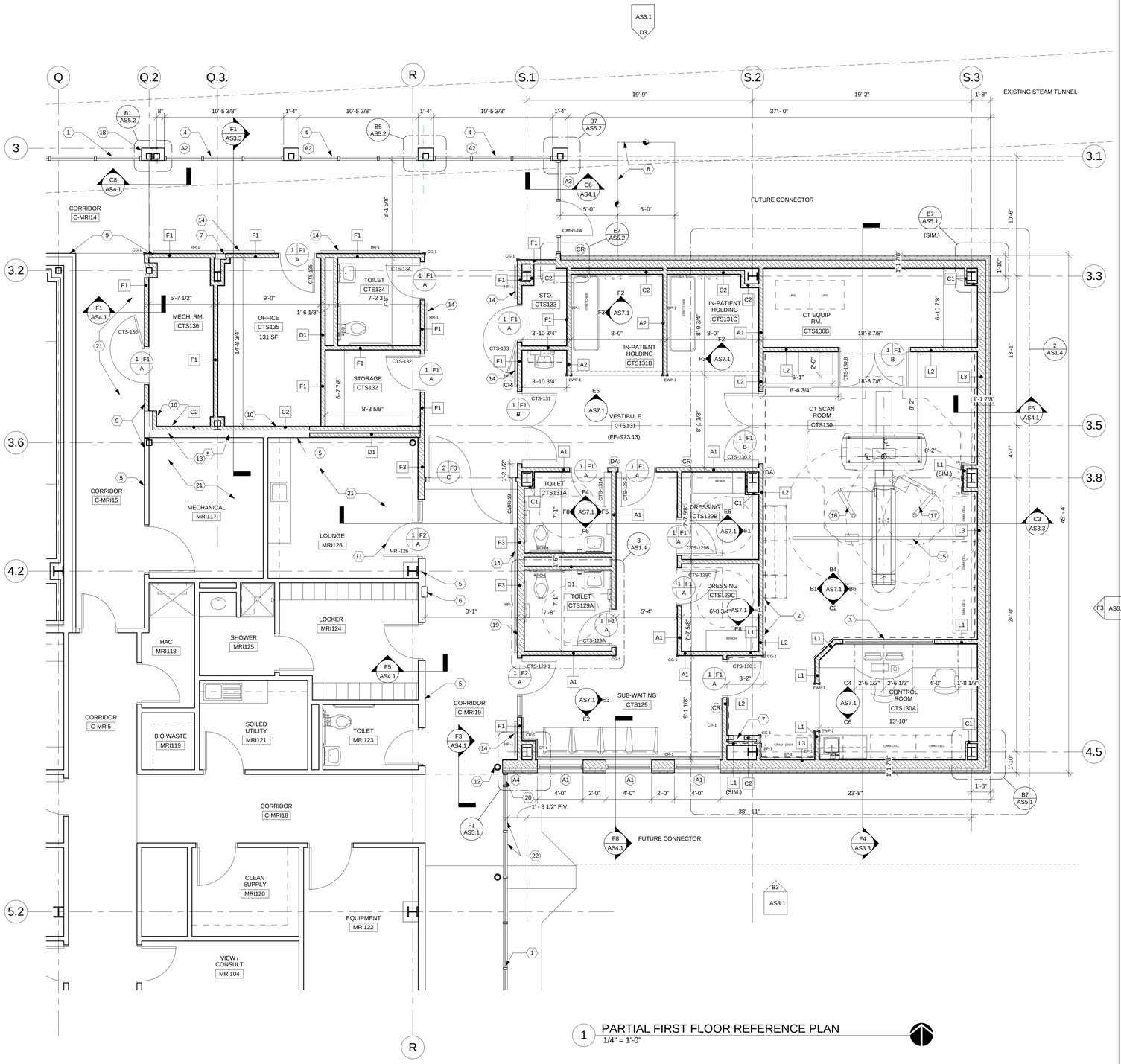
1. PAIR OF DOORS.
2. PAIR OF DOUBLE EGRESS DOOR.
3. LEAD LINED DOOR. SEE ELEVATION C3/AS8.1 FOR FRAME REINFORCEMENT.
4. DOOR WITH AUTOMATIC OPERATOR.
5. INSTALL CLOTHES HOOK (T6) ON INSIDE OF DOOR.

GENERAL REMARKS :

A. ALL DOORS TO BE 1 /4" THICK UNLESS NOTED OTHERWISE

B. ALL DOOR FRAMES TO BE PAINTED P-3

C. SEE SPECIFICATIONS FOR HARDWARE SETS



1 PARTIAL FIRST FLOOR REFERENCE PLAN
1/4" = 1'-0"

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. EXISTING STOREFRONT SYSTEM TO REMAIN.
2. DASHED LINE INDICATES WALLS/DOOR WITH LEAD SHIELDING PROTECTION.
3. LEAD SHIELDED VIEW WINDOW.
4. NEW STOREFRONT UNIT.
5. EXISTING WALL TO REMAIN.
6. EXISTING FIRE EXTINGUISHER AND CABINET TO REMAIN.
7. NEW FIRE EXTINGUISHER RECESSED CABINET. REFER TO FIRE PROTECTION DRAWINGS FOR FIRE EXTINGUISHER.
8. NEW CONCRETE SIDEWALK WITH STEPS. REFER TO CIVIL DRAWINGS.
9. ALIGN.
10. NEW FURRING PARTITION.
11. NEW DOOR AND FRAME IN EXISTING ROOM.
12. NEW COLUMN WITH INTUMESCENT MASTIC FIREPROOFING. MATCH EXISTING COLOR. SEE STRUCTURAL DRAWINGS.
13. PATCH AND REPAIR WALL TO MEET 1 HR. FIRE RATING STANDARDS. SEE TYPE "F2" ON INTERIOR PARTITION SCHEDULE .
14. NEW HANDRAIL.
15. OVERHEAD MOUNTED PATIENT LIFT BY G.C. PROVIDE AND INSTALL LIFT UNIT, OVERHEAD TRACK, STRAPS & SLING AND SUPPORTS.
16. OVERHEAD MOUNTED BOOM AND MONITOR. VA PROVIDED G.C INSTALLED.
17. OVERHEAD MOUNTED BOOM AND INJECTOR. VA PROVIDED G.C INSTALLED.
18. EXISTING COLUMN COVER. REWORK MODIFY AS NECESSARY TO ACCOMMODATE NEW ADDITION.
19. MED GAS ZONE VALVE. SEE PLUMBING DRAWINGS.
20. NEW STOREFRONT UNIT. REPLACE EXISTING VERTICAL MULLION TO ADD NEW STOREFRONT SECTION.
21. PATCH AND REPAIR ROOM FINISHES AS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.
22. EXISTING STOREFRONT, REWORK AS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION.

GENERAL NOTES

A. WALL PROTECTION LEGEND:

CG-1	= CORNER GUARD	SEE E1/AS8.1
BP-1	= BUMPER RAIL	SEE B1/AS8.1
CR-1	= CHAIR RAIL	SEE F5/AS5.2
EWP-1	= END WALL PROTECTION	SEE C1/AS8.1
HR-1	= HANDRAIL	SEE E3/AS8.1

B. ALL DIMENSIONS ARE FROM FINISH FACE TO FINISH FACE OF CONSTRUCTION UNLESS NOTED OTHERWISE. WHERE DISCREPANCIES OCCUR BETWEEN DETAIL PLANS AND OTHER DISCIPLINES DRAWINGS, CONSULT THE COR AND ARCHITECT FOR CLARIFICATION.

C. CONTRACTOR SHALL MAINTAIN ALL SPRAY APPLIED FIREPROOFING IN EXISTING CONSTRUCTION. PATCH AND REPAIR DISTURBED AREAS AS NECESSARY.

D. LAYOUT OF CT SCAN ROOM IS BASED ON A GE DISCOVERY CT750 HD UNIT. CONTRACTOR SHALL VERIFY LAYOUT AND REQUIREMENTS WITH THE ACTUAL CT UNIT WHICH WILL BE PURCHASED BY THE VA.

E. (CR) CARD READER LOCATION.
(DA) PUSH PLATE - DOOR ACTIVATOR LOCATION.

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Expiration Date 12/31/2013

Revised By:

Drawing Title: PARTIAL FIRST FLOOR - ENLARGED PLAN

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. AS1.3

VAMC, DAYTON
Department of Veterans Affairs
VA

VA FORM 08-6231, OCT 1978

1/31/2013 8:13:24 AM

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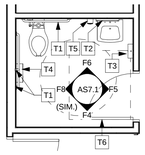
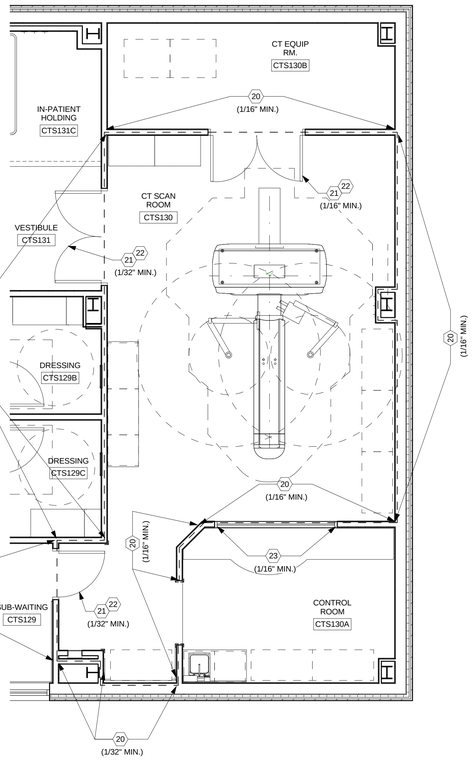
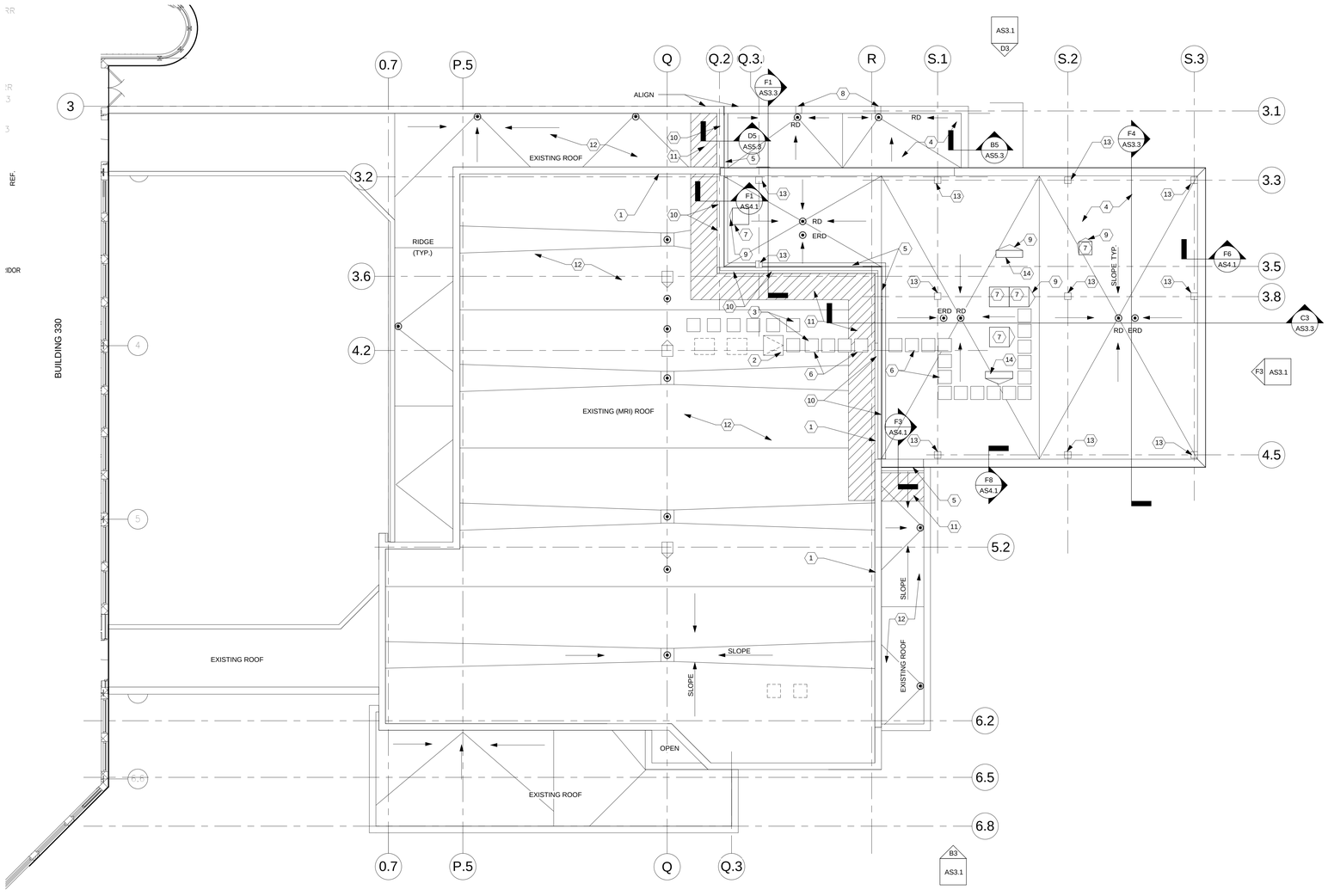


3 TYP. RESTROOM PLAN
1/4" = 1'-0"



2 ENLARGED CT SCAN ROOM (LEAD SHIELDING)
1/4" = 1'-0"



1 ROOF PLAN
1/8" = 1'-0"

ROOF PLAN CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. EXISTING PARAPET TO REMAIN.
2. EXISTING ROOF HATCH TO REMAIN.
3. EXISTING WALKWAY PADS.
4. NEW SINGLE PLY EPDM ROOFING MEMBRANE.
5. BUILDING EXPANSION JOINT SYSTEM.
6. NEW WALKWAY PADS (24" X 24").
7. NEW HVAC EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
8. OVERFLOW SCUPPER DRAIN.
9. VALLEY AT EQUIPMENT (TYP).
10. REMOVE PORTION OF EXISTING PARAPET. CUT EXISTING COLD-FORMED METAL FRAMING STUD (EXISTING WALL BELOW TO REMAIN). RECONSTRUCT PARAPET WITH NEW STUD FRAMING, REFER TO D1/AS5.1
11. HATCHED AREA REQUIRES REMOVAL, PATCHING OF EXISTING EPDM ROOFING SYSTEM AND INSULATION TO ACCOMMODATE NEW PARAPET AND NEW ADDITION.
12. EXISTING ROOF TO REMAIN.
13. COLUMN STUB CAP.
14. CURB FOR MECH. EQUIPMENT REFER TO MECHANICAL DRAWINGS.

ENLARGED PLANS CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

20. LEAD-LAMINATED GYPSUM BOARD. EXTEND TO CEILING HEIGHT.
21. LEAD-LINED METAL FRAME AND WOOD DOOR.
22. RADIATION-SHIELDED DOOR.
23. RADIATION-SHIELDED VIEW WINDOW.

GENERAL NOTES

A. LEGEND:

RD ROOF DRAIN
ERD SECONDARY EMERGENCY ROOF DRAIN

B. ROOF SLOPE 1/4" / FT. MIN. TOWARDS ROOF DRAINS.

C. SECONDARY OVERFLOW ROOF DRAIN AND/OR SCUPPERS WILL BE PROVIDED AS INDICATED IN ROOF PLAN. REFER TO PLUMBING DRAWINGS.

D. REFER TO SHEET AS5.1 FOR TYPICAL ROOF DRAIN DETAIL.

E. COORDINATE ROOF PENETRATIONS WITH PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS.

F. ALL WORK AND MODIFICATIONS TO EXISTING ROOFING SHALL CONFORM TO THE REQUIREMENTS OF THE EXISTING WARRANTY.

G. RADIATION SHIELDING REQUIREMENTS SHOWN FOR WALLS ARE MINIMUMS. IT IS ACCEPTABLE TO UTILIZE THE MAXIMUM THICKNESS (1/16") FOR ALL WALLS TO SIMPLIFY MATERIAL HANDLING.

ACCESSORY LEGEND

T1 - GRAB BAR
T2 - METAL FRAMED MIRROR
T3 - PAPER TOWEL DISPENSER (VA FURNISHED, GC INSTALLED)
T4 - TOILET TISSUE DISPENSER (VA FURNISHED, GC INSTALLED)
T5 - SOAP DISPENSER (VA FURNISHED, GC INSTALLED)
T6 - CLOTHES HOOK

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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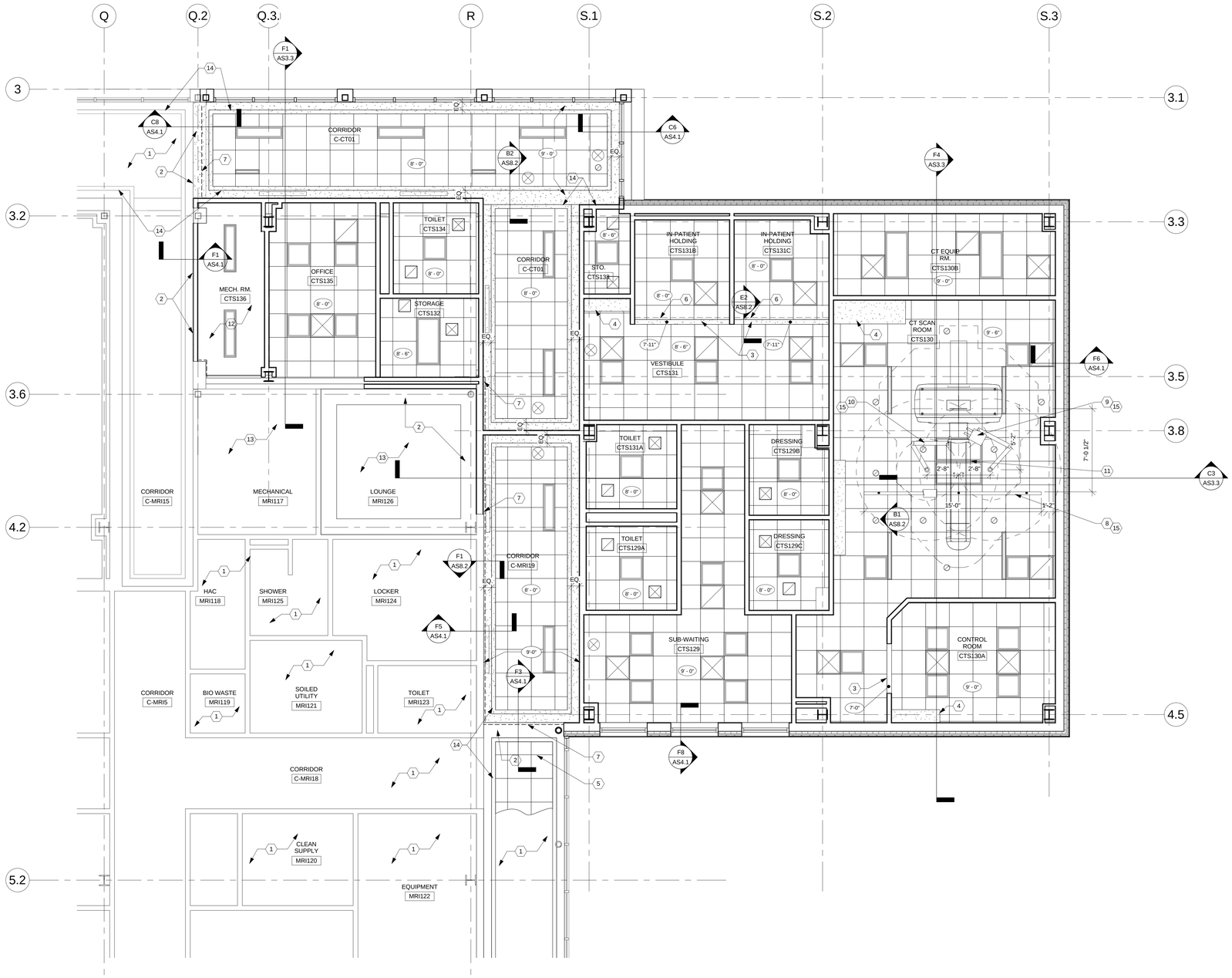
Expiration Date 12/31/2013

Revised By:

Drawing Title: ENLARGED FLOOR PLANS AND ROOF PLAN
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. AS1.4

VAMC, DAYTON
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 PARTIAL REFLECTED CEILING PLAN
1/4" = 1'-0"

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. EXISTING CEILING TO REMAIN.
2. PATCH AND REPAIR GYPSUM BOARD CEILING AS NECESSARY.
3. NEW BULKHEAD.
4. GYPSUM BOARD SOFFIT. COORDINATE WITH CASEWORK.
5. REMOVE PORTION OF EXISTING ACOUSTICAL CEILING TO ACCOMMODATE NEW GYPSUM BOARD SOFFIT. PATCH AND REPAIR AS NECESSARY.
6. CUBICLE CURTAIN TRACK. SEE C5/AS8.1.
7. EXPANSION JOINT COVER.
8. PATIENT LIFT. CLG. MOUNTED.
9. INJECTOR. CLG. MOUNTED BOOM.
10. MONITOR. CLG. MOUNTED BOOM.
11. DECORATIVE LIGHT FIXTURE.
12. EXPOSED STRUCTURE.
13. REMOVE PORTION OF EXISTING CEILING AS NECESSARY TO ACCOMMODATE WORK ON EXISTING WALLS. PATCH AND REPAIR CEILING AS NECESSARY.
14. ALIGN.
15. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT FRAMING FOR TRACK & OVERHEAD BOOMS.

GENERAL NOTES

A. REFER TO ROOM FINISH SCHEDULE AND SPECIFICATIONS FOR CEILING TYPES AND FINISHES.

B. MEASURE CEILING AND LAYOUT GRIDS TO BALANCE WIDTHS AT OPPOSITE EDGES UNLESS NOTED OTHERWISE.

C. REFER TO PME DRAWINGS FOR ADDITIONAL CEILING DEVICES AND DESCRIPTIONS.

D. INSTALL EDGE MOLDING AT PERIMETER.

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Expiration Date 12/31/2013

Revised By:

Drawing Title: REFLECTED CEILING PLAN

Approved: Project Manager: RANDI FIORINA

Approved: Service Chief: GARY ABREU

Project Title: SITE PREP FOR CT SCANNER

Building Number: 335

Checked: PSH

Drawn: FO

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Date: 01-31-2013

Project No.: 552-CSI-333

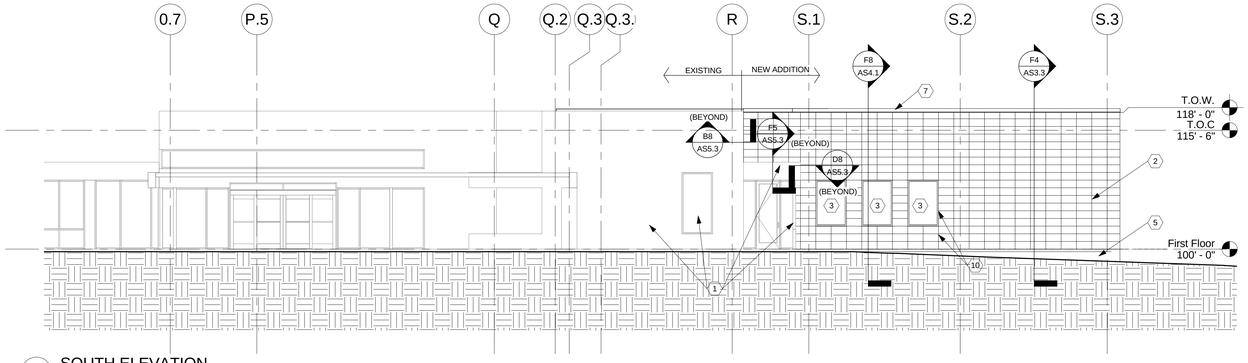
Drawing No.: AS2.1

VAMC, DAYTON

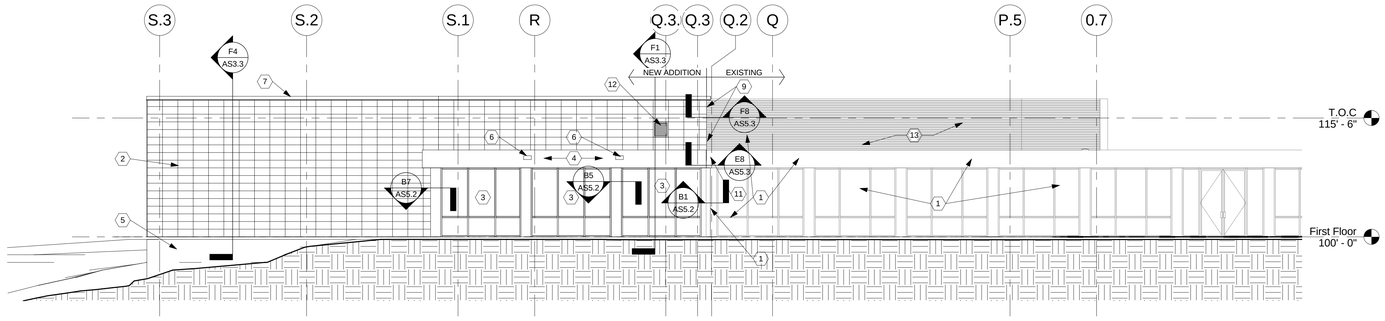
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

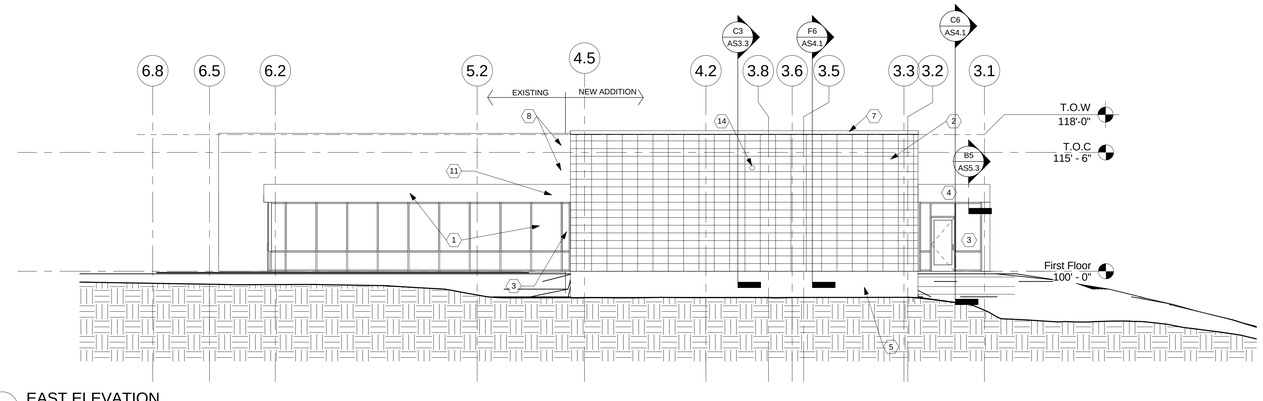
File Name: 1331201313135 AM



B3 SOUTH ELEVATION
1/8" = 1'-0"



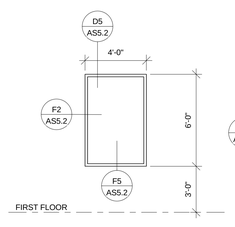
D3 NORTH ELEVATION
1/8" = 1'-0"



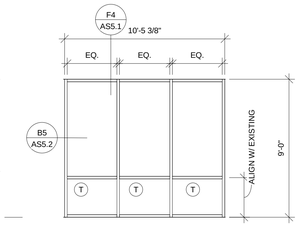
F3 EAST ELEVATION
1/8" = 1'-0"

STOREFRONT ELEVATIONS

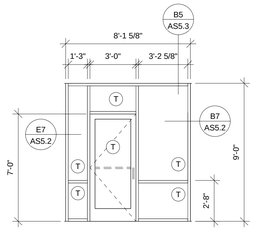
(T) INDICATES TEMPERED SAFETY GLAZING



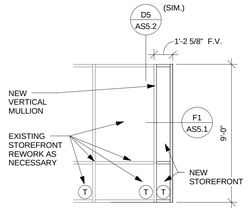
TYPE A1
ALUMINUM
STOREFRONT



TYPE A2
ALUMINUM
STOREFRONT



TYPE A3
ALUMINUM
STOREFRONT



TYPE A4
ALUMINUM
STOREFRONT

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. EXISTING TO REMAIN.
2. MANUFACTURED STONE VENEER. (12" x 24")
3. NEW STOREFRONT SYSTEM.
4. SIDING METAL WALL PANEL TO MACH COLOR AND FINISH OF EXISTING BUILDING.
5. EXPOSED CONCRETE FOUNDATION.
6. OVERFLOW SCUPPER, SEE D4/AS5.1.
7. ALUMINUM COPING SYSTEM.
8. PATCH AND REPAIR EXISTING MFR. STONE VENEER AS NECESSARY AT CORNER.
9. PATCH AND REPAIR EXISTING BRICK VENEER AS NECESSARY.
10. ALIGN JOINT OF MFR. STONE WITH WINDOW EDGE.
11. PATCH AND REPAIR EXISTING SIDING METAL WALL PANEL AS NECESSARY TO ACCOMMODATE NEW ADDITION.
12. 24" x 24" ALUMINUM LOUVER. REFER TO MECHANICAL DRAWINGS.
13. EXISTING BRICK VENEER.
14. SECONDARY ROOF DRAIN OVERFLOW SCUPPER, REFER TO PLUMBING DRAWINGS.

GENERAL NOTES

A. FINISH FLOOR 100'-0" ON ARCHITECTURAL DRAWINGS EQUAL EFE=973.13

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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PETER S. HARSH
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Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

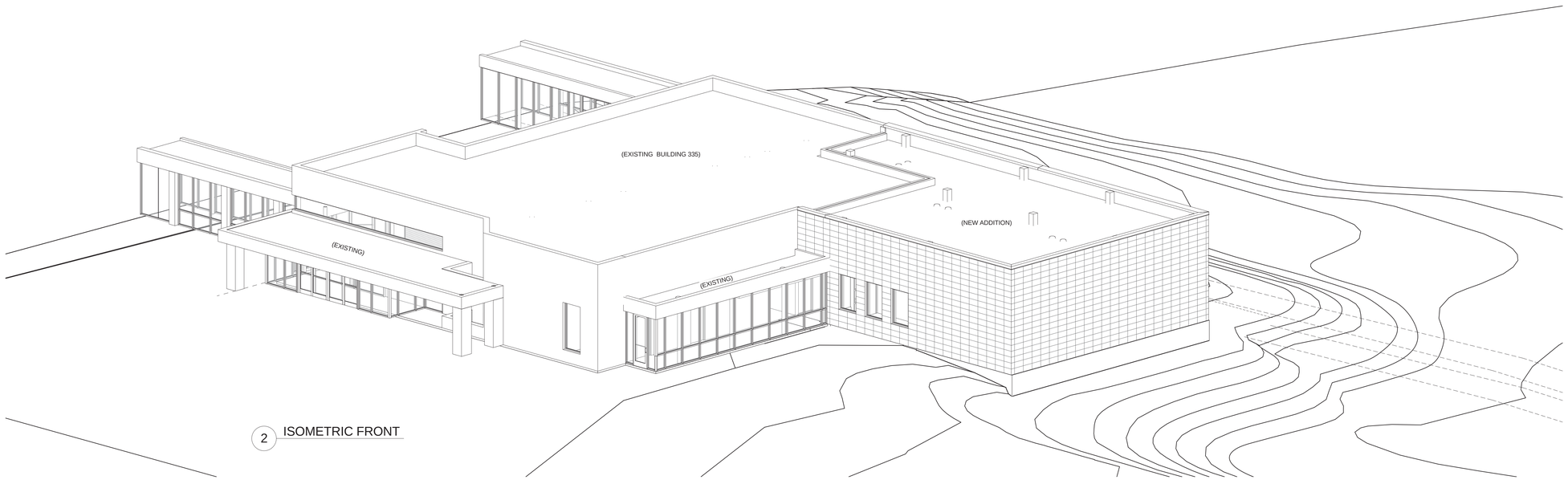
Drawing Title: EXTERIOR ELEVATIONS
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. AS3.1

VAMC, DAYTON
VA Department of Veterans Affairs

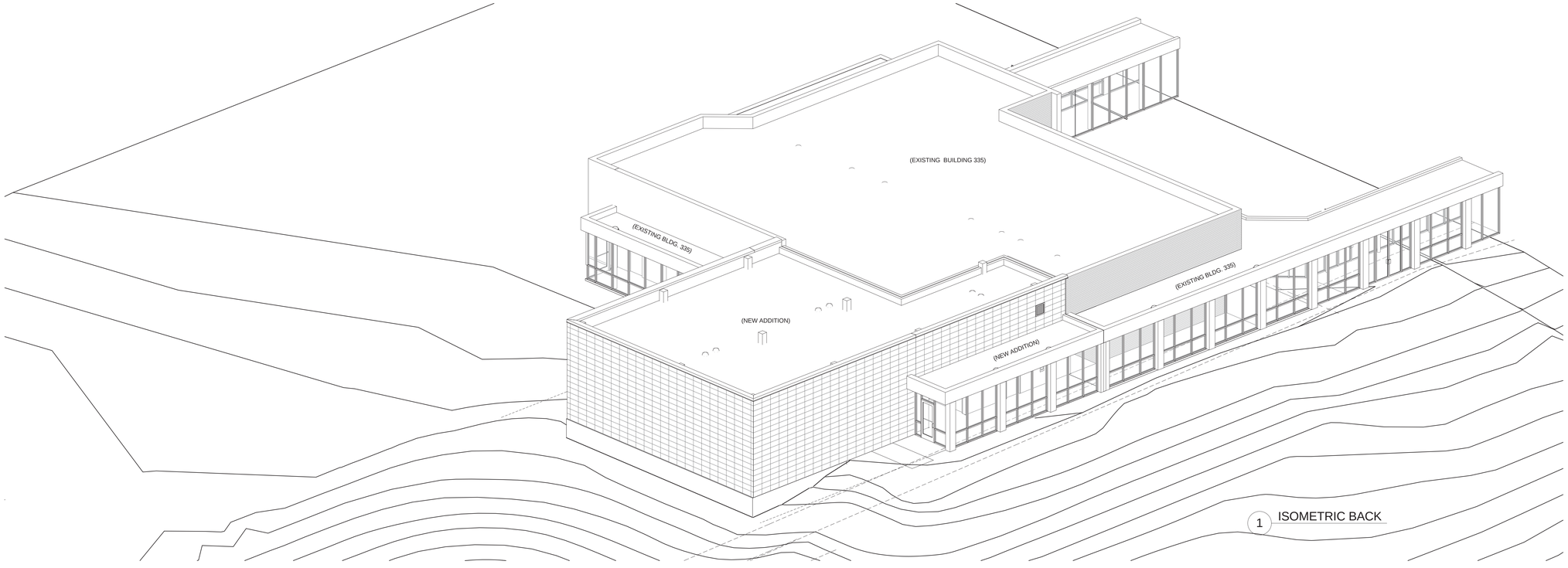
VA FORM 08-6231, OCT 1978

GENERAL NOTES

A. SCHEMATIC ISOMETRIC VIEWS FOR REFERENCE ONLY. REFER TO WALL SECTIONS FOR DETAILS.



2 ISOMETRIC FRONT



1 ISOMETRIC BACK

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Revisions	Date
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Expiration Date 12/31/2013

Revised By:

Drawing Title	Project Title	Date
PERSPECTIVES	SITE PREP FOR CT SCANNER	01-31-2013
		Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA	Building Number: 335	Checked: PSH / Drawn: FO
Approved: Service Chief: GARY ABREU	Location: 4100 WEST THIRD STREET DAYTON, OH 45428	Drawing No. AS3.2

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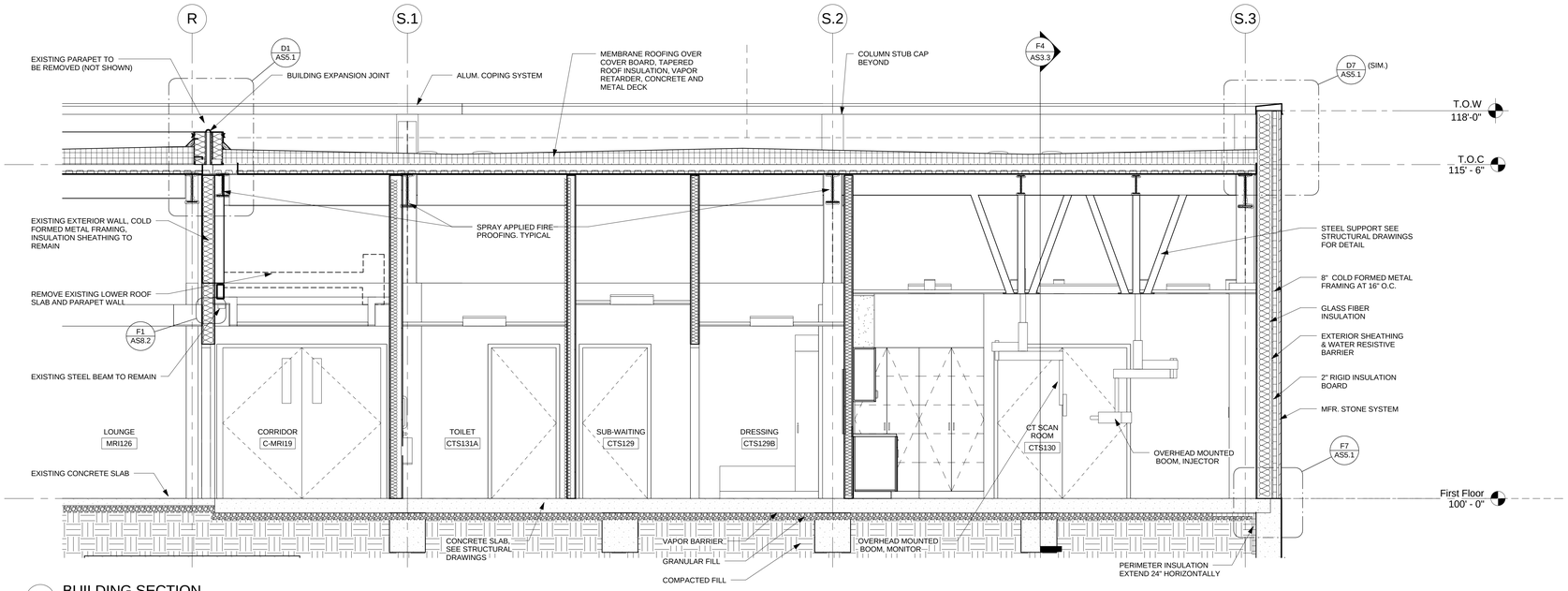
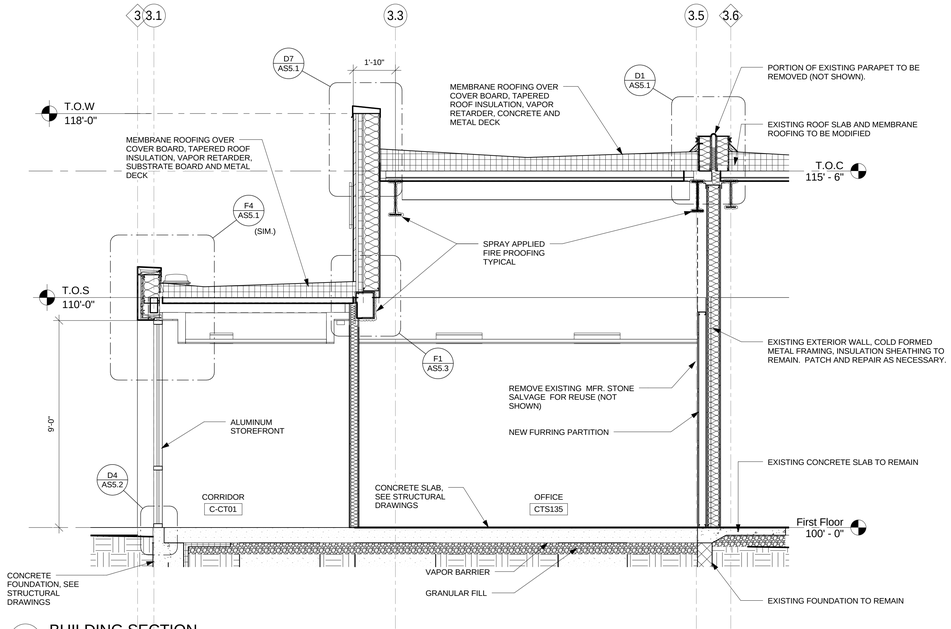
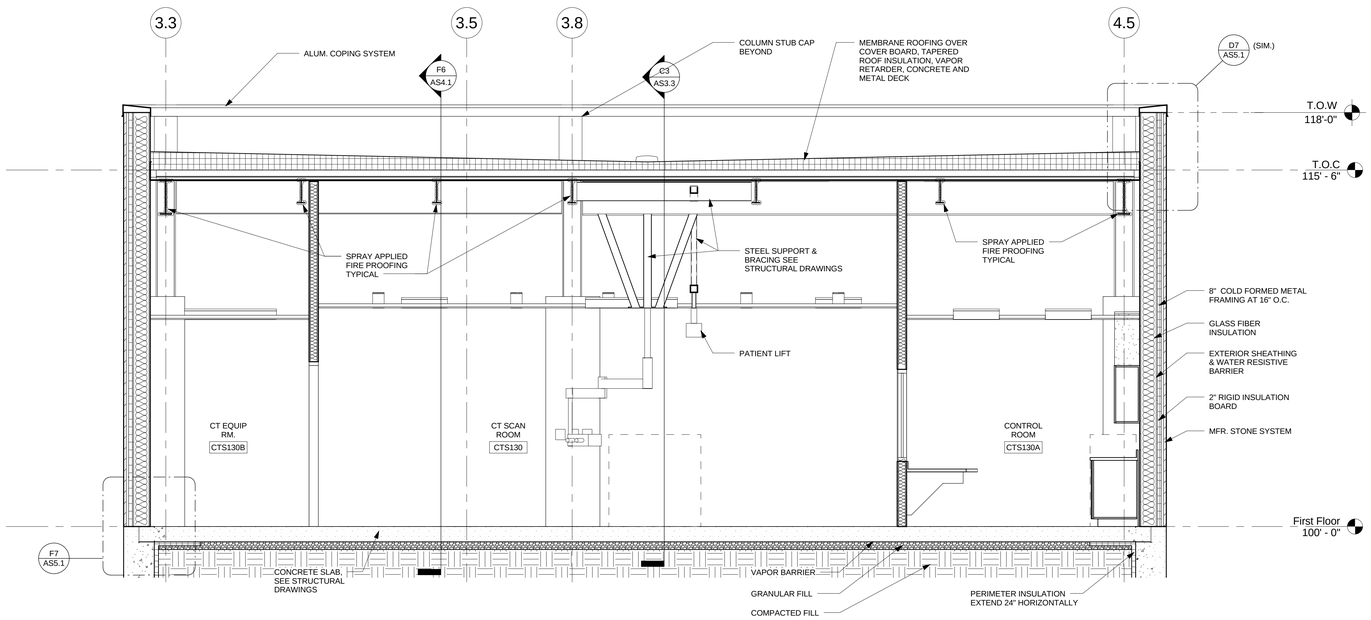


C3 BUILDING SECTION
3/8" = 1'-0"



F1 BUILDING SECTION
3/8" = 1'-0"



F4 BUILDING SECTION
3/8" = 1'-0"

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: **BUILDING SECTIONS**
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No.: 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No.: AS3.3

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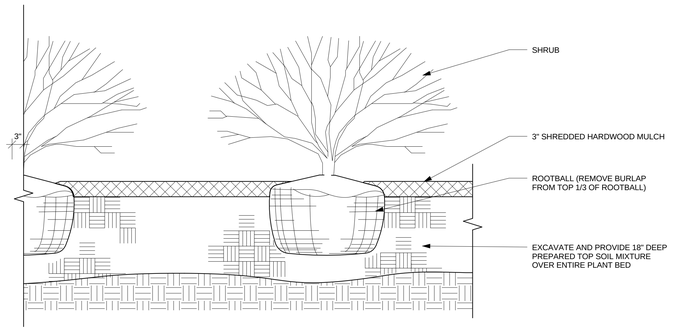


B1 SHRUB PLANTING DETAIL
3/4" = 1'-0"

GENERAL NOTES

THERMAL INSULATION R-VALUES:

EXTERIOR WALLS - COLD-FORMED METAL FRAMING WITH MANUFACTURED STONE VENEER:

8" UNFACED GLASS FIBER BLANKET INSULATION (R-25)

2" POLYSTYRENE INSULATION BOARD INSULATION (R-10)
(BASED ON R-VALUE OF 5 PER INCH)

FLAT ROOF:

POLYISO TAPERED INSULATION (R-18) MINIMUM THICKNESS 3 INCHES, INCLUDING AT ROOF DRAINS.
(BASED ON R-VALUE OF 6 PER INCH)

FOUNDATION WALLS

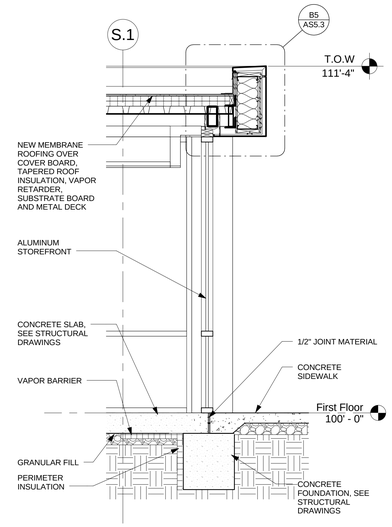
PERIMETER FOUNDATION; 2" POLYSTYRENE INSULATION BOARD (R-10)
(BASED ON R-VALUE OF 5 PER INCH)

GENERAL NOTES

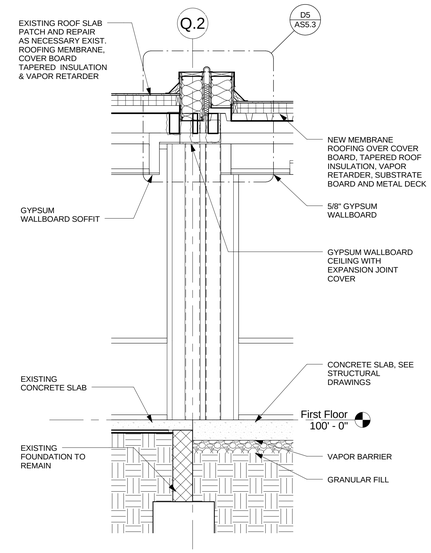
A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION, REINFORCEMENT, AND STRUCTURAL STEEL SUPPORT DETAILS

B. CONTRACTOR SHALL MAINTAIN ALL SPRAY APPLIED FIREPROOFING IN EXISTING CONSTRUCTION. PATCH AND REPAIR DISTURBED AREAS AS NECESSARY.

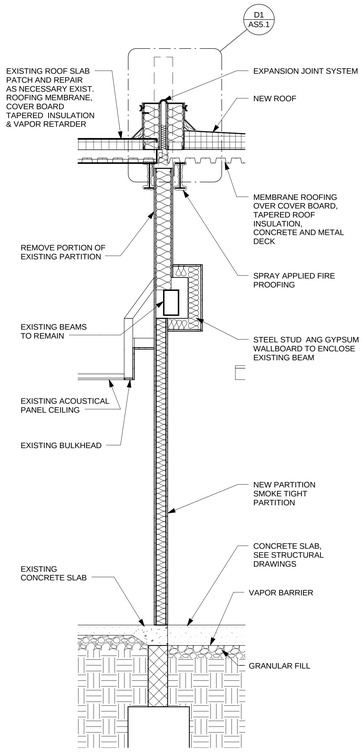
C. ALL NEW STRUCTURAL ELEMENTS SHALL RECEIVE NEW SPRAY APPLIED FIREPROOFING.



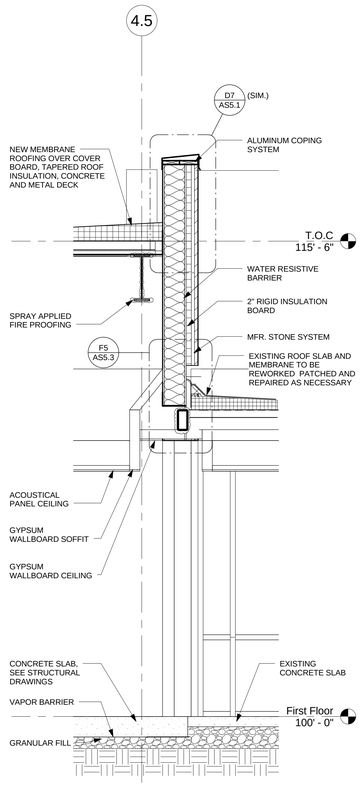
C6 WALL SECTION
1/2" = 1'-0"



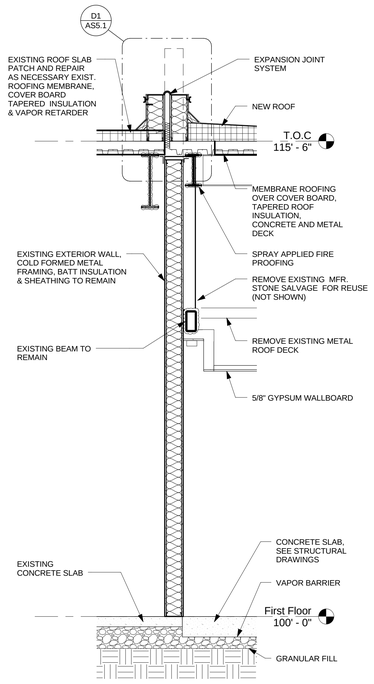
C8 WALL SECTION
1/2" = 1'-0"



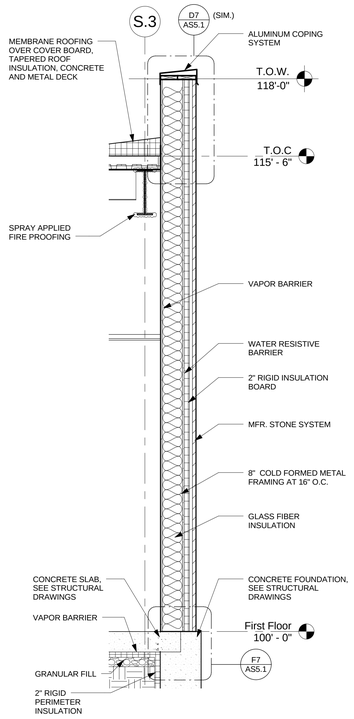
F1 WALL SECTION
1/2" = 1'-0"



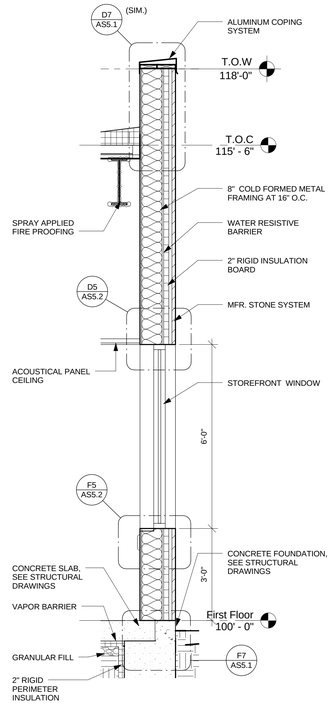
F3 WALL SECTION
1/2" = 1'-0"



F5 WALL SECTION
1/2" = 1'-0"



F6 WALL SECTION
1/2" = 1'-0"



F8 WALL SECTION
1/2" = 1'-0"

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Expiration Date 12/31/2013

Revised By:

Drawing Title: WALL SECTIONS

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

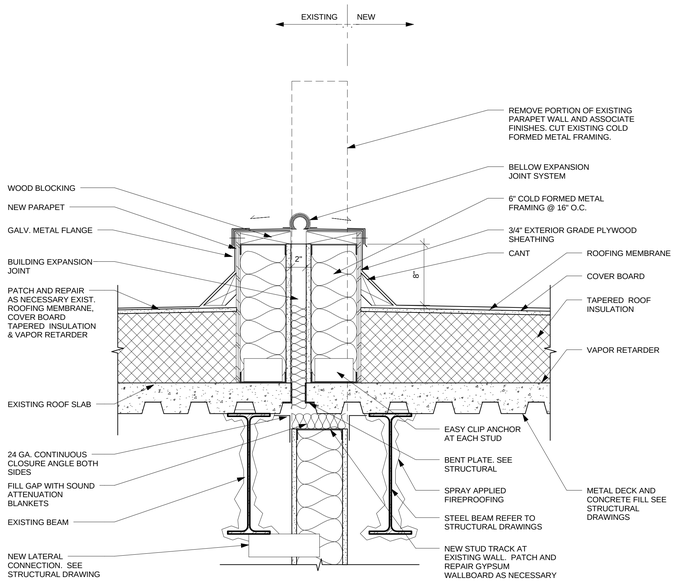
Drawing No. AS4.1

VAMC, DAYTON

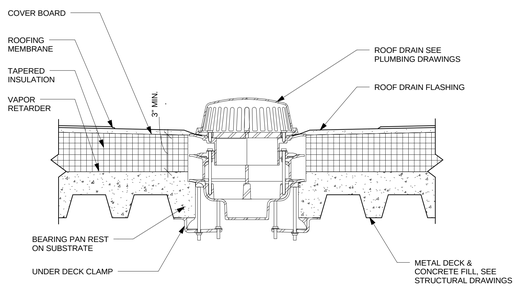
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

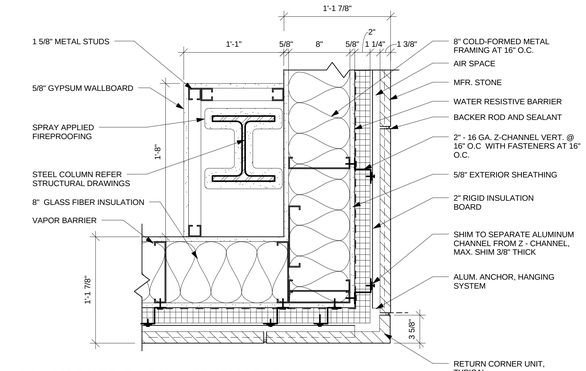
File Name: 1/31/2013 9:14:45 AM



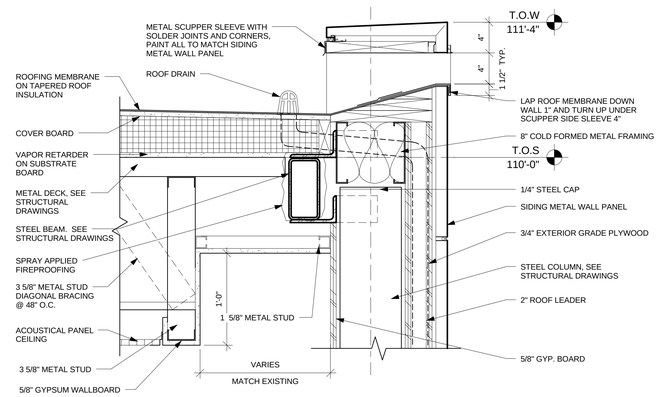
D1 ROOF EXPANSION JOINT DETAIL
1 1/2" = 1'-0"



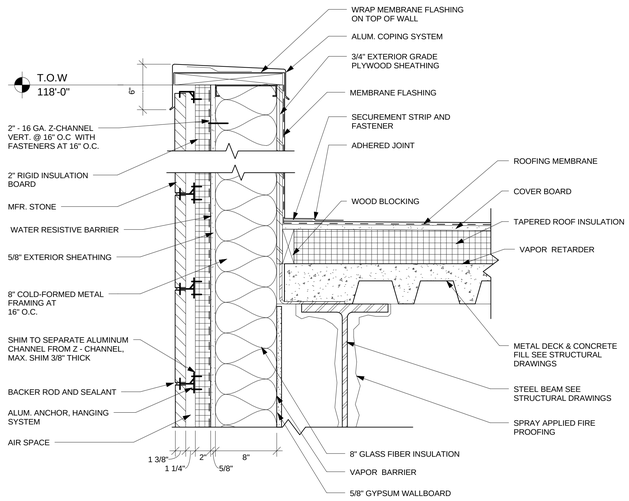
B4 ROOF DRAIN DETAIL
1 1/2" = 1'-0"



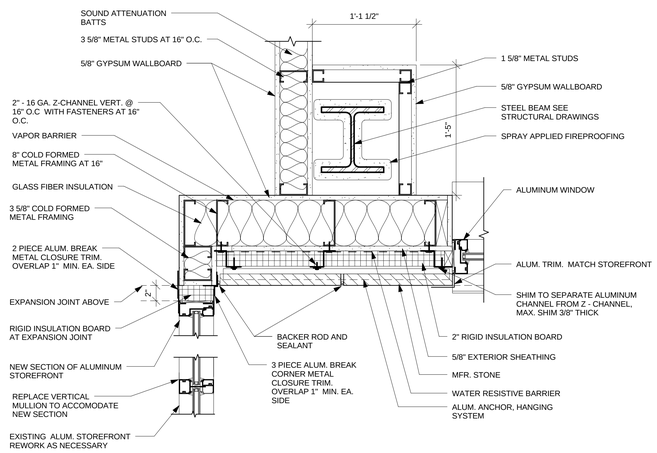
B7 CORNER DETAIL - PLAN VIEW
1 1/2" = 1'-0"



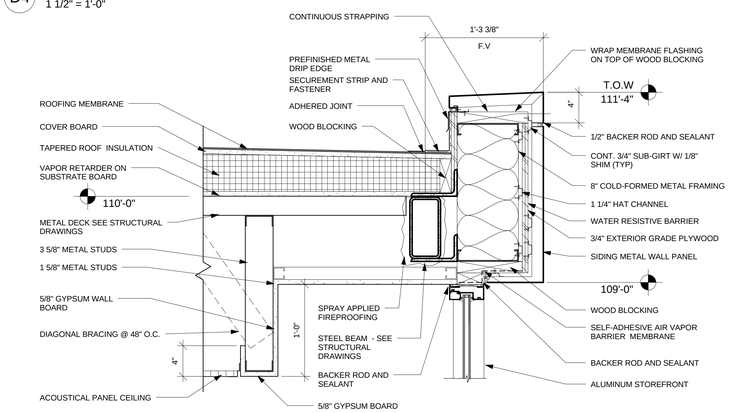
D4 PARAPET ROOF DRAIN DETAIL
1 1/2" = 1'-0"



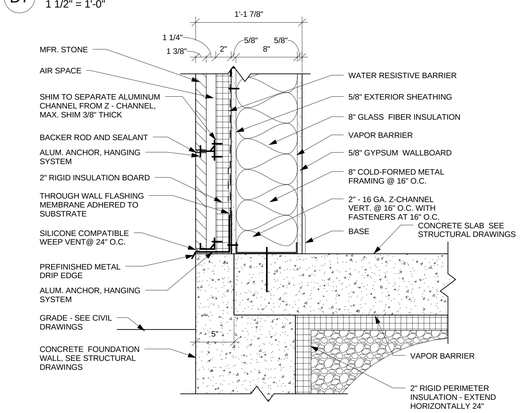
D7 PARAPET SECTION DETAIL
1 1/2" = 1'-0"



F1 WALL DETAIL - PLAN VIEW
1 1/2" = 1'-0"



D4 PARAPET DETAIL
1 1/2" = 1'-0"



F7 SECTION DETAIL
1 1/2" = 1'-0"

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Peter S. Harsh. License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: EXTERIOR DETAILS

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

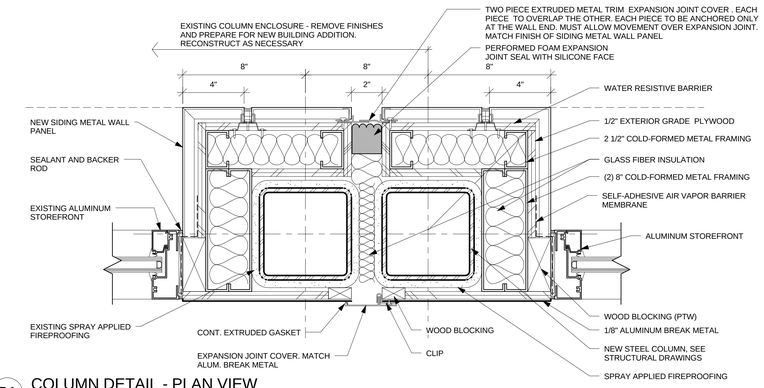
Drawing No. AS5.1

VAMC, DAYTON

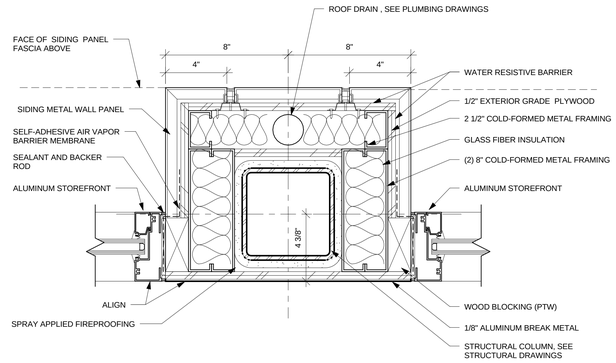
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

File Name



B1 COLUMN DETAIL - PLAN VIEW
3" = 1'-0"



B5 COLUMN DETAIL - PLAN VIEW
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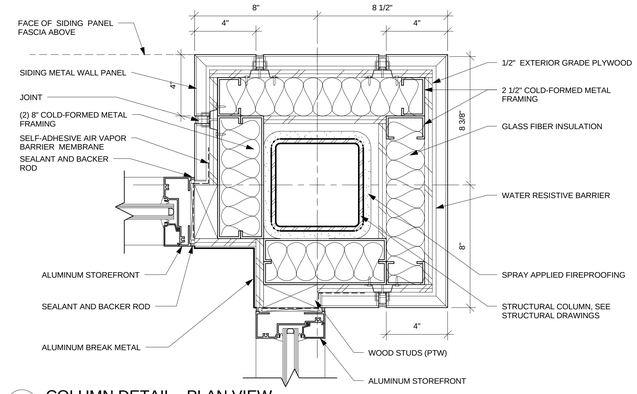

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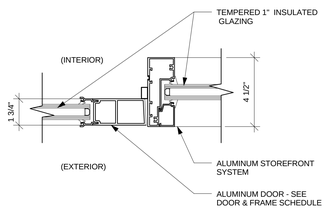

D1 JAMB DETAIL
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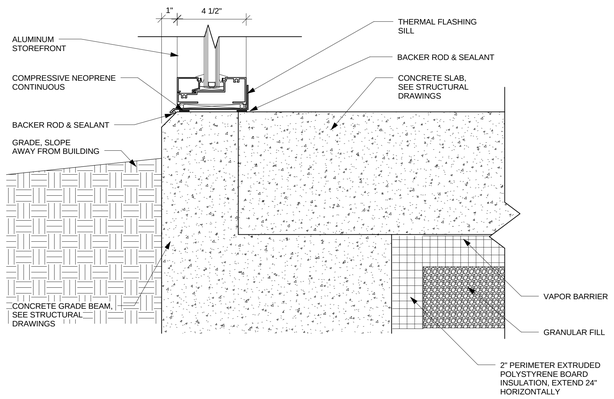

D4 SILL DETAIL
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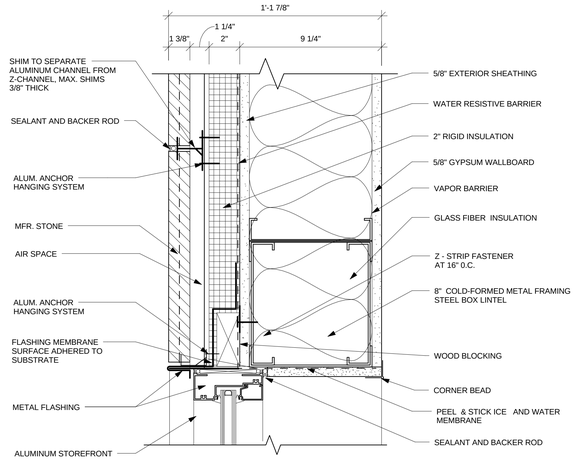
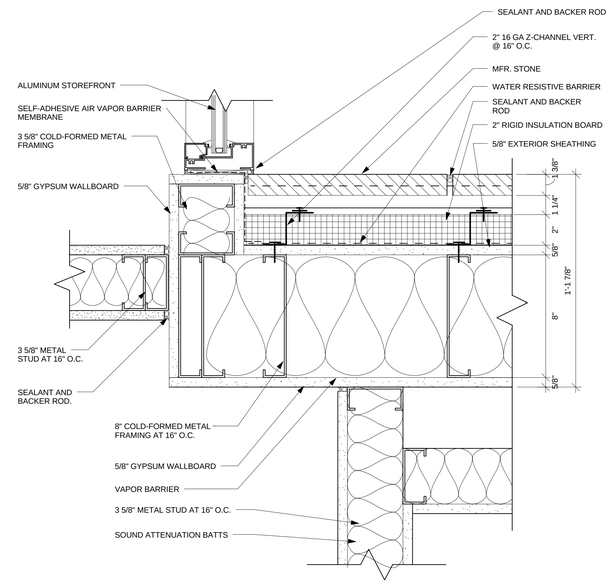


D5 WINDOW HEAD DETAIL
3" = 1'-0"



E7 CORNER JAMB DETAIL
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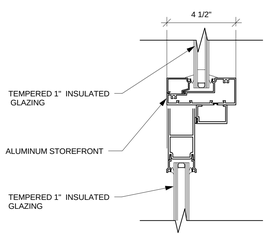

E1 HEAD DETAIL
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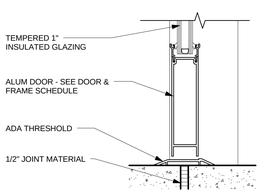

F1 SILL DETAIL
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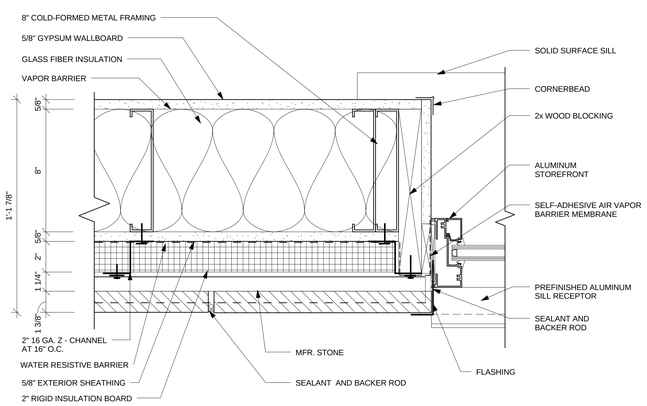
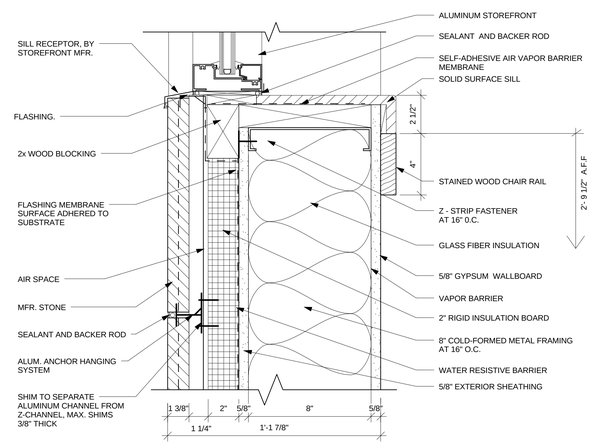


F2 WINDOW JAMB DETAIL
3" = 1'-0"



F5 WINDOW SILL DETAIL
3" = 1'-0"

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Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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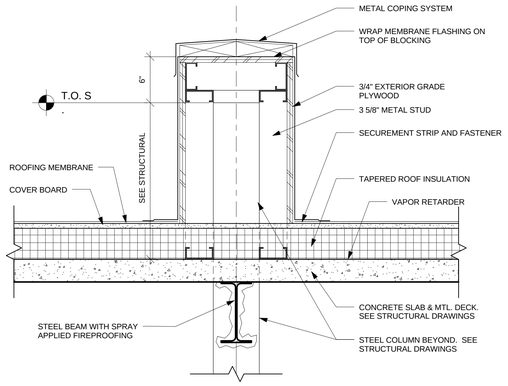
Peter S. Harsh, License #7044
Expiration Date 12/31/2013

Revised By:

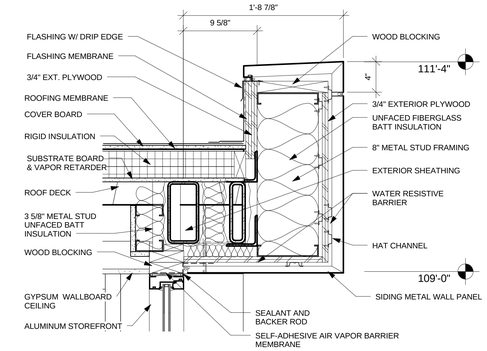
Drawing Title: EXTERIOR DETAILS
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. AS5.2

VAMC, DAYTON
Department of Veterans Affairs

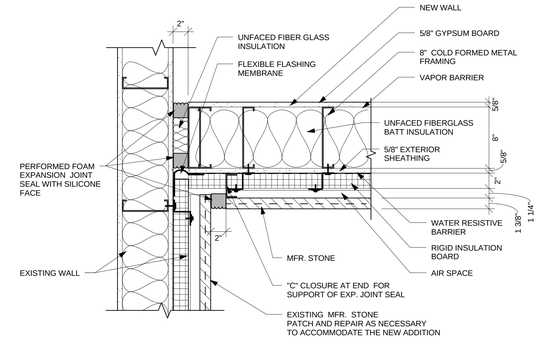
VA FORM 08-6231, OCT 1978



C3 ROOF DETAIL - COLUMN STUB CAP
1 1/2" = 1'-0"

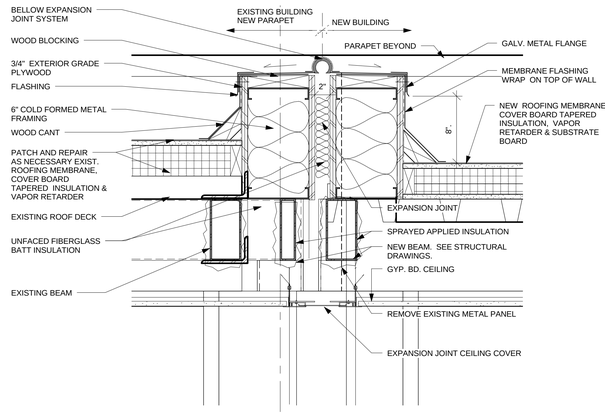


B5 ROOF DETAIL
1 1/2" = 1'-0"

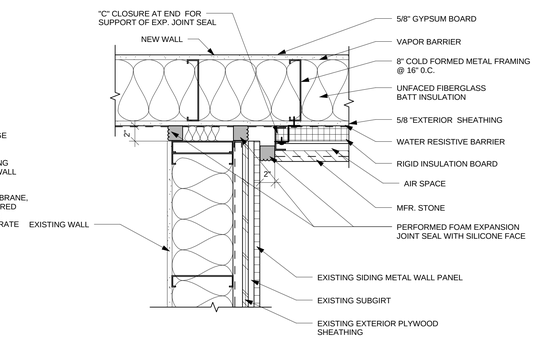


B8 WALL DETAIL - PAN VIEW
1 1/2" = 1'-0"

Q.2



D5 ROOF DETAIL
1 1/2" = 1'-0"



D8 WALL DETAIL - PAN VIEW
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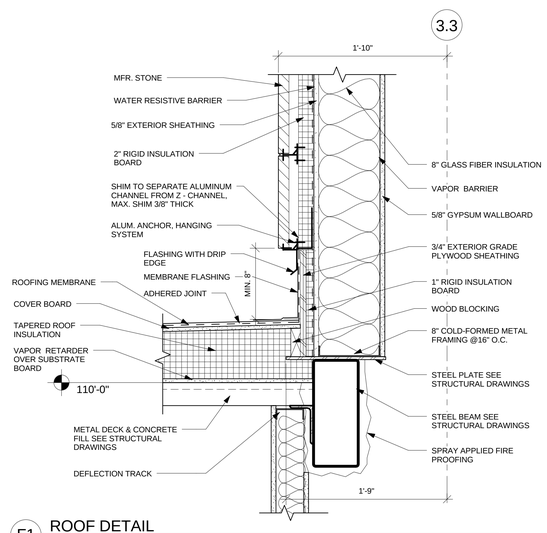
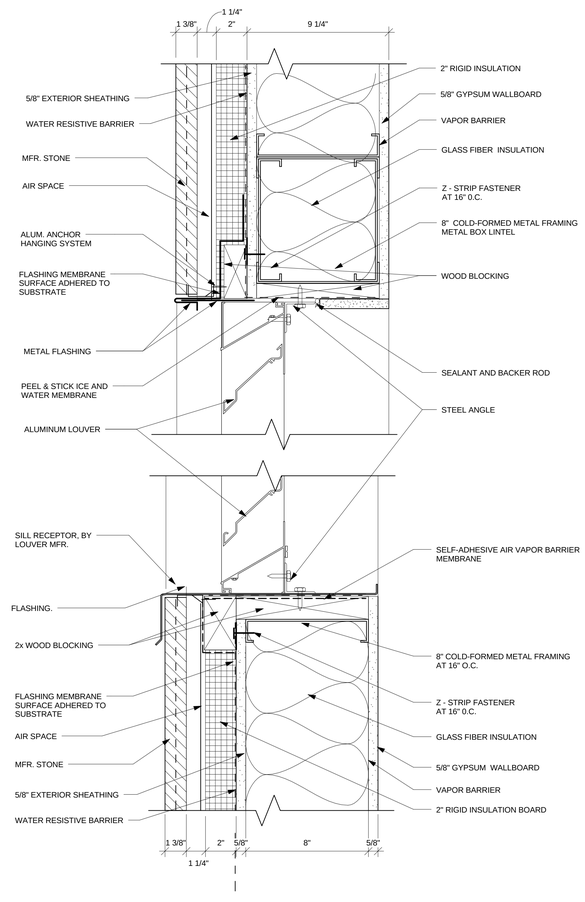
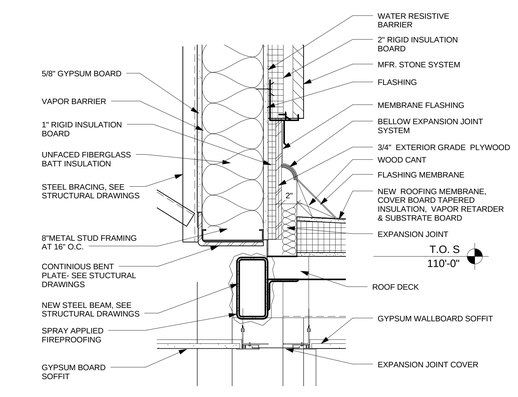


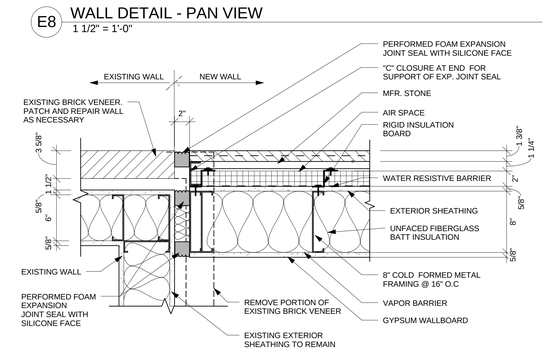
F1 ROOF DETAIL
1 1/2" = 1'-0"



F3 LOUVER DETAIL
3" = 1'-0"



F5 ROOF DETAIL
1 1/2" = 1'-0"



E8 WALL DETAIL - PAN VIEW
1 1/2" = 1'-0"

F8 WALL DETAIL - PAN VIEW
1 1/2" = 1'-0"

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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REGISTERED ARCHITECT
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Expiration Date 12/31/2013

Revised By:

Drawing Title: **EXTERIOR DETAILS**

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

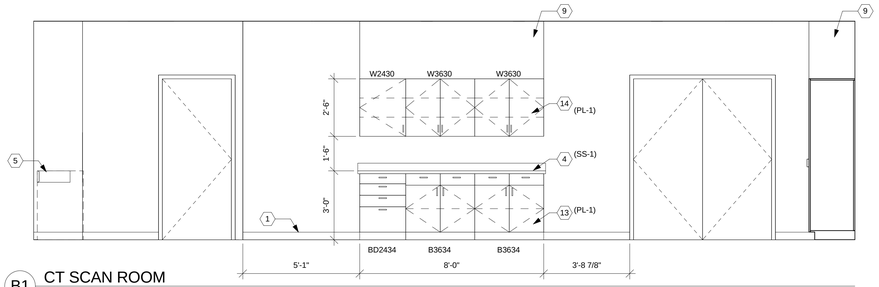
Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. AS5.3

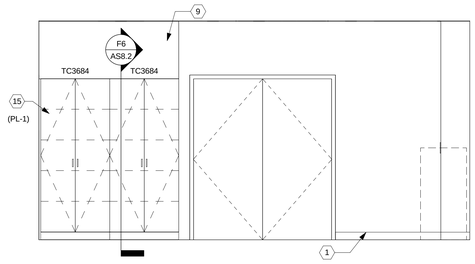
VAMC, DAYTON

VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



B1 CT SCAN ROOM
3/8" = 1'-0"



B4 CT SCAN ROOM
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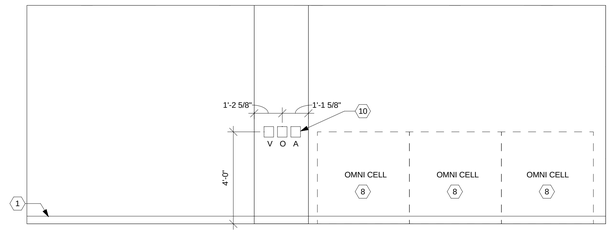
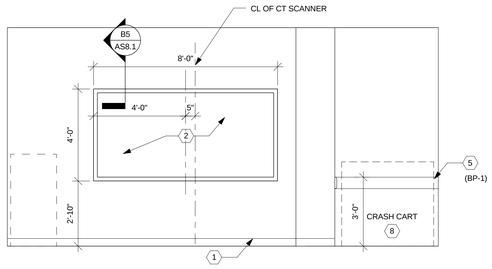
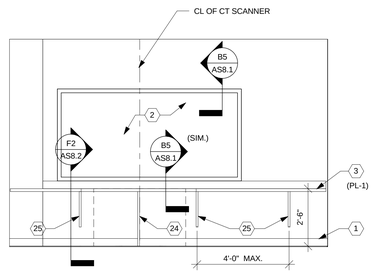


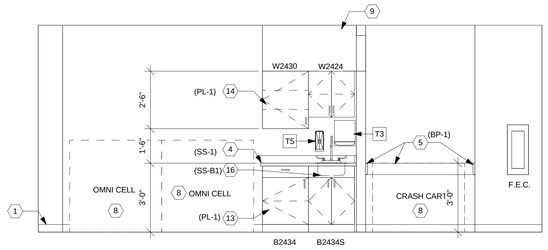
B6 CT SCAN ROOM
3/8" = 1'-0"



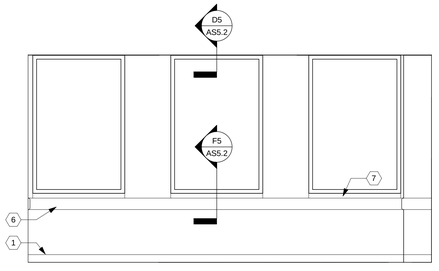
C2 CT SCAN ROOM
3/8" = 1'-0"



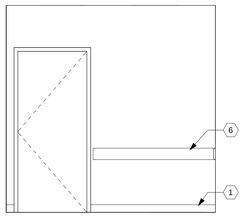
C4 CONTROL ROOM
3/8" = 1'-0"



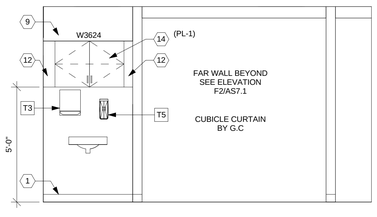
C6 CONTROL ROOM
3/8" = 1'-0"



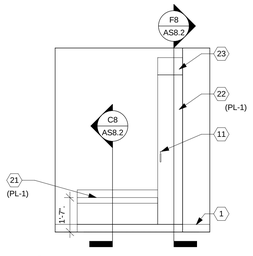
E2 SUB-WAITING SOUTH
3/8" = 1'-0"



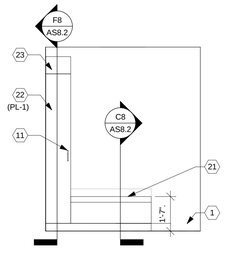
E3 SUB-WAITING EAST
3/8" = 1'-0"



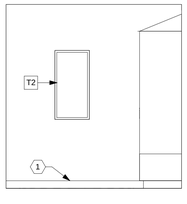
E5 VESTIBULE - IN-PATIENT HOLDING
3/8" = 1'-0"



E6 DRESSING ROOM
3/8" = 1'-0"



E8 DRESSING ROOM
3/8" = 1'-0"



F1 DRESSING ROOM
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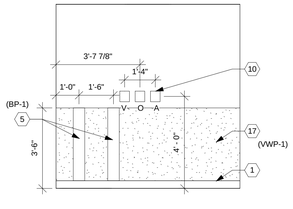

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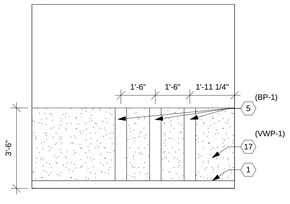
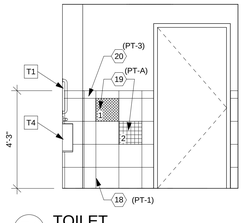
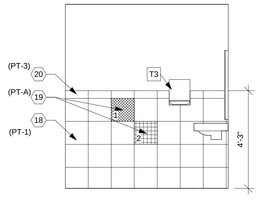


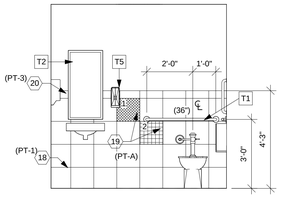
F3 IN-PATIENT HOLDING
3/8" = 1'-0"



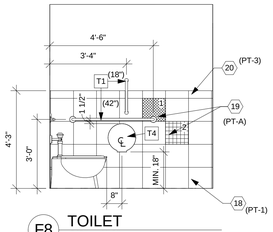
F4 TOILET
3/8" = 1'-0"



F5 TOILET
3/8" = 1'-0"



F6 TOILET
3/8" = 1'-0"



F8 TOILET
3/8" = 1'-0"

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. BASE - REFER TO ROOM FINISH SCHEDULE.
2. 8'-0" X 4'-0" LEAD SHIELDED VIEW WINDOW WITH LAMINATED LEAD GLASS.
3. PLASTIC LAMINATE COUNTERTOP.
4. SOLID SURFACE COUNTERTOP.
5. RESILIENT BUMPER RAIL.
6. WOOD CHAIR RAIL.
7. SOLID SURFACE SILL.
8. VA PROVIDED EQUIPMENT.
9. GYPSUM BOARD SOFFIT.
10. MEDICAL GASES - REFER TO PLUMBING DRAWINGS.
11. LOCK. PROVIDE UNIQUE KEY IN EACH DRESSING ROOM.
12. PLASTIC LAMINATE END PANEL.
13. PLASTIC LAMINATE BASE CABINET.
14. PLASTIC LAMINATE WALL CABINET.
15. PLASTIC LAMINATE TALL CABINET.
16. SOLID SURFACE INTEGRAL SINK BOWL.
17. SEMI-RIGID IMPACT RESISTANT WALL COVERING.
18. CERAMIC TILE.
19. ACCENT TILE - EVERY FOURTH TILE.
20. CERAMIC TILE BULLNOSE.
21. PLASTIC LAMINATE BENCH.
22. PLASTIC LAMINATE LOCKER.
23. PLASTIC LAMINATE SLOPE TOP.
24. PLASTIC LAMINATE SUPPORT AT CENTER OF RADIAL COUNTERTOP.
25. METAL WORKTOP SUPPORT.

ACCESSORY LEGEND

T1 - GRAB BAR

T2 - METAL FRAMED MIRROR

T3 - PAPER TOWEL DISPENSER (VA FURNISHED, GC INSTALLED)

T4 - TOILET TISSUE DISPENSER (VA FURNISHED, GC INSTALLED)

T5 - SOAP DISPENSER (VA FURNISHED, GC INSTALLED)

T6 - CLOTHES HOOK

GENERAL NOTES

A. EXAMPLE OF CASEWORK DIMENSIONS (2436) INDICATES 24" WIDTH X 36" HEIGHT. FOR DEPTH REFER TO TYPICAL CASEWORK DETAILS U.N.O.

B. PROVIDE MIN. 3/4" PLASTIC LAMINATE SCRIBE AGAINST FINISHED WALLS AT BASE, WALL AND TALL CABINETS.

C. PROVIDE FINISHED PANELS ON ALL EXPOSED ENDS AND BACKS.

D. INSTALL SOLID WOOD (FIRE TREATED) (CONTRACTOR OPTION SHEET STEEL) BLOCKING IN WALLS BEHIND WALL-MOUNTED ITEMS INCLUDING CASEWORK, RAILINGS, TOILET ACCESSORIES, ETC.

E. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL RECEPTACLE LOCATIONS.

F. SEE SHEET AS8.2 FOR TYPICAL CABINET SECTIONS AND DETAILS.

G. ALL OUTSIDE CORNERS OF PLAM COUNTERTOPS SHALL PROJECT 1" PAST CABINET/SUPPORT AND SHALL HAVE 1 1/2" RADIUS CORNER EXCEPT AT REFRIGERATORS AND EQUIPMENT, WHERE SQUARE CORNERS AND 1/4" PROJECTION SHALL BE USED.

H. DESIGNATION (XX-X) REFER TO FINISHES, REFER TO SPECIFICATIONS SECTION 09 06 00, SCHEDULE FOR FINISHES DESCRIPTION AND ABBREVIATIONS.

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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STATE OF OHIO
PETER S. HARSH
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REGISTERED ARCHITECT
Peter S. Harsh. License #7044
Expiration Date 12/31/2013

Revised By:

Drawing Title: INTERIOR ELEVATIONS

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

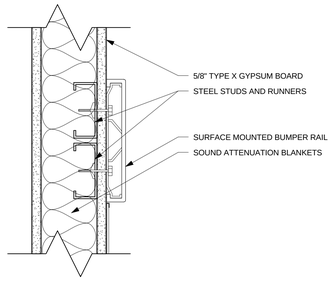
Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. AS7.1

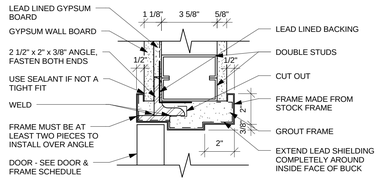
VAMC, DAYTON

Department of Veterans Affairs

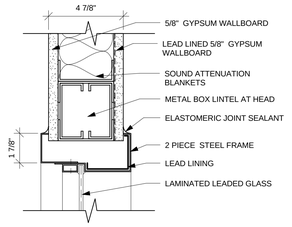
VA FORM 08-6231, OCT 1978



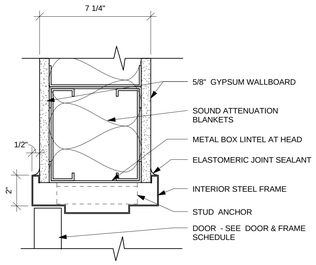
B1 BUMPER RAIL DETAIL
3" = 1'-0"



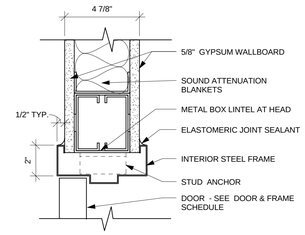
B3 LEAD LINED DOOR HEAD DETAIL
3" = 1'-0" (JAMB DETAIL SIMILAR)



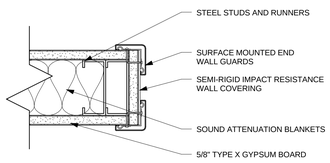
B5 LEAD LINED WINDOW HEAD DETAIL
3" = 1'-0"



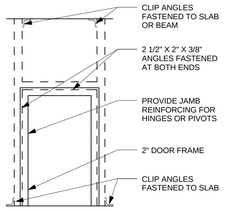
B7 HEAD DETAIL
3" = 1'-0"



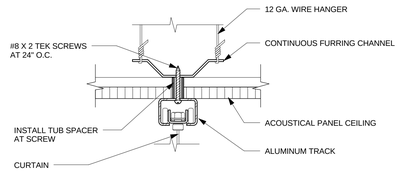
B8 HEAD DETAIL
3" = 1'-0"



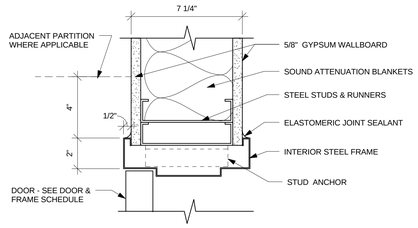
C1 END WALL GUARD DETAIL - PLAN VIEW
3" = 1'-0"



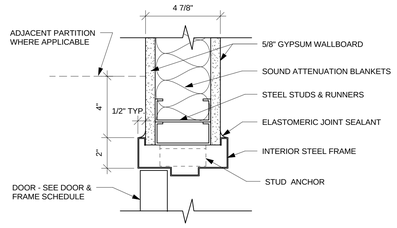
C3 LEAD LINED DOOR ELEVATION
NOT TO SCALE



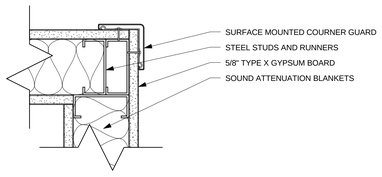
C5 CUBICLE CURTAIN TRACK DETAIL
3" = 1'-0"



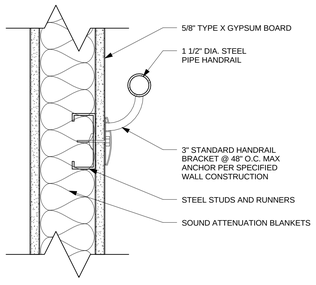
C7 JAMB DETAIL
3" = 1'-0"



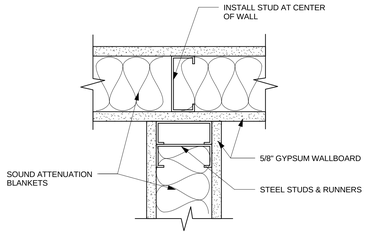
C8 JAMB DETAIL
3" = 1'-0"



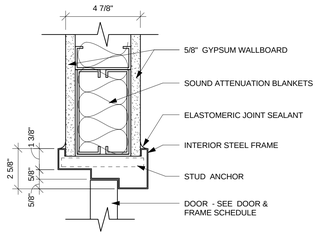
E1 CORNER GUARD DETAIL - PLAN VIEW
3" = 1'-0"



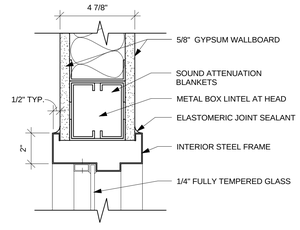
E3 RAILING DETAIL
3" = 1'-0"



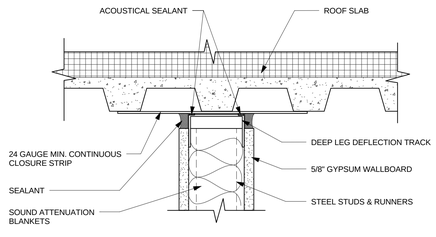
E5 WALL PARTITION DETAIL - PLAN VIEW
3" = 1'-0"



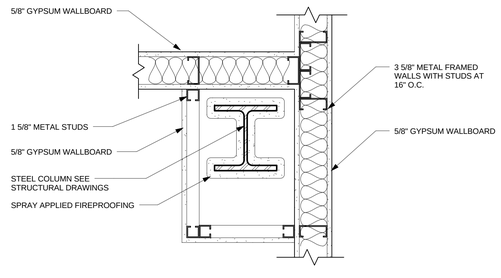
E7 HEAD DETAIL
3" = 1'-0"



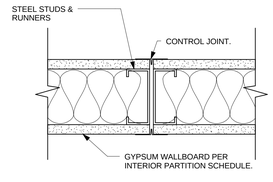
E8 HEAD DETAIL
3" = 1'-0"



F1 TYPICAL HEAD WALL DETAIL
3" = 1'-0"

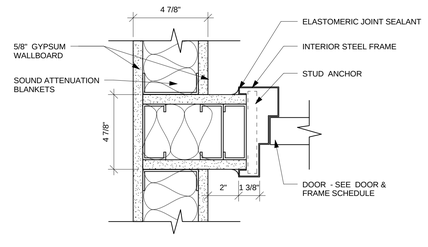


F3 INTERIOR WALL DETAIL - PLAN VIEW
1 1/2" = 1'-0"

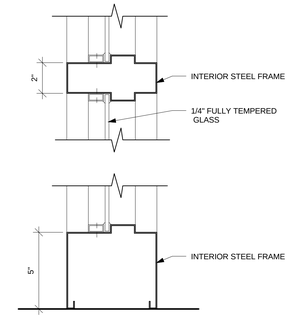


NOTE; EXPANSION JOINTS TO OCCUR EVERY 20'-0" OF UNINTERRUPTED WALL LENGTH.

F5 TYP. CONTROL JOINT DETAIL - PLAN VIEW
3" = 1'-0"



F7 JAMB DETAIL
3" = 1'-0"



F8 SILL / INTERMEDIATE MULLION DETAIL
3" = 1'-0"

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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REGISTERED ARCHITECT
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Expiration Date 12/31/2013

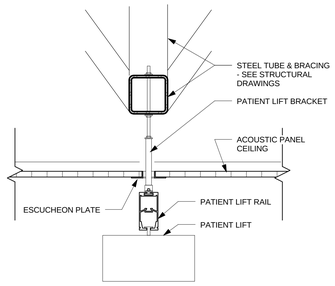
Revised By:

Drawing Title: INTERIOR DETAILS
Project Title: SITE PREP FOR CT SCANNER
Date: 01-31-2013
Project No. 552-CSI-333
Approved: Project Manager: RANDI FIORINA
Building Number: 335
Checked: PSH
Drawn: FO
Approved: Service Chief: GARY ABREU
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. AS8.1

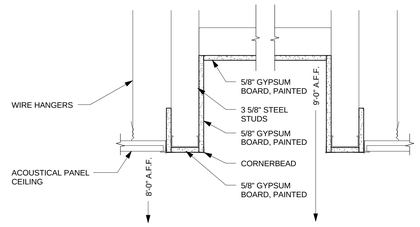
VAMC, DAYTON
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

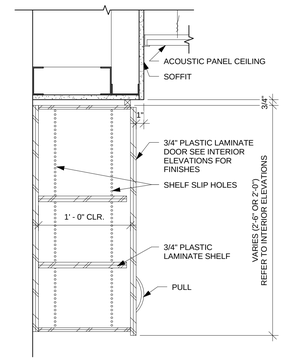
1/31/2013 8:15:56 AM
File Name



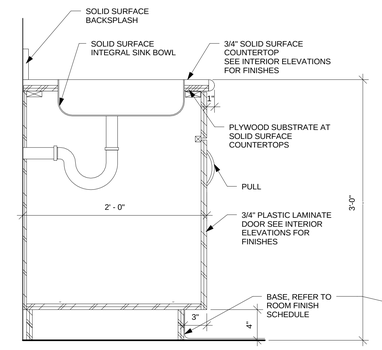
B1 PATIENT LIFT DETAIL
1 1/2" = 1'-0"



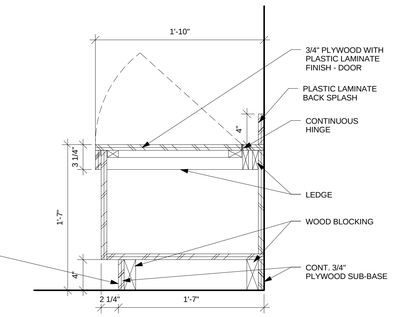
B2 CEILING DETAIL
1 1/2" = 1'-0"



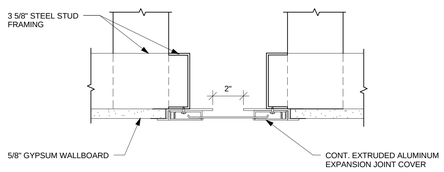
C5 TYP. "W" CABINET DETAIL
1 1/2" = 1'-0"



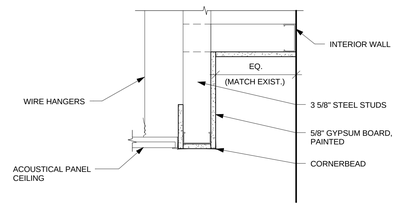
C6 SOLID SURFACE SINK DETAIL
1 1/2" = 1'-0"



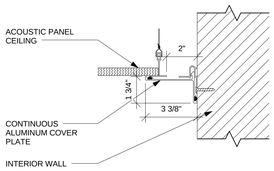
C8 BENCH DETAIL
1 1/2" = 1'-0"



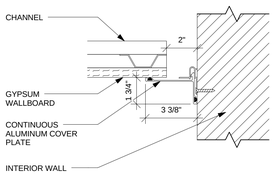
D1 GYP. BD. DETAIL - EXPANSION JOINT SYSTEM
3" = 1'-0"



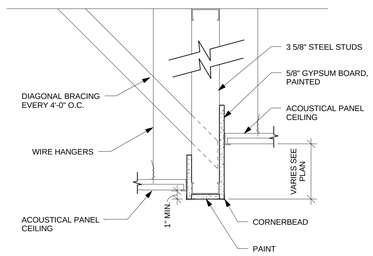
C2 CEILING DETAIL
1 1/2" = 1'-0"



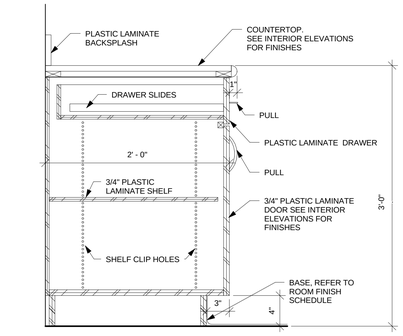
E1 DROP CEILING DETAIL - EXPANSION JOINT SYSTEM
3" = 1'-0"



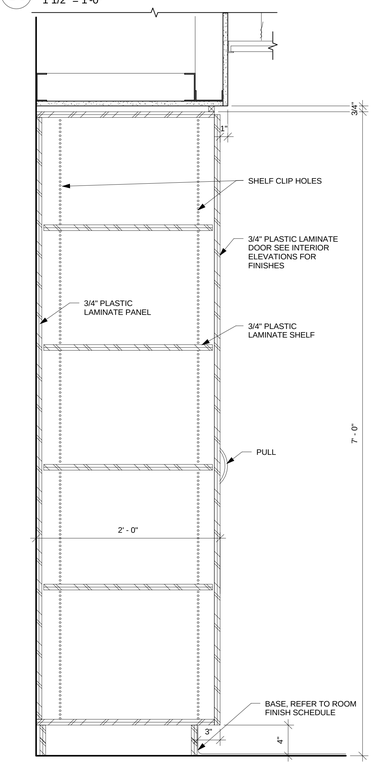
F1 GYPSUM WALL BOARD DETAIL - EXPANSION JOINT SYSTEM
3" = 1'-0"



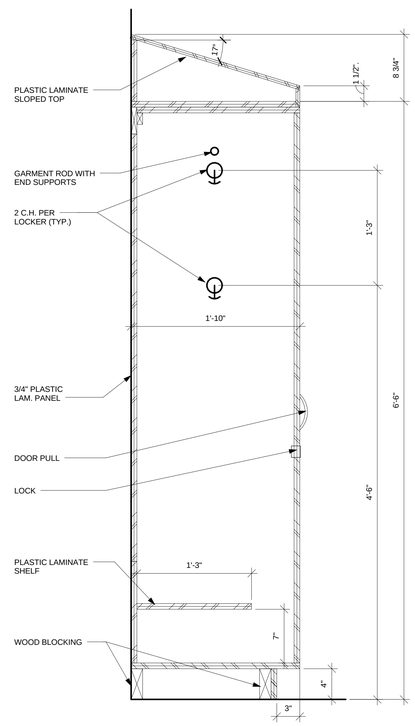
E2 BULKHEAD DETAIL
1 1/2" = 1'-0"



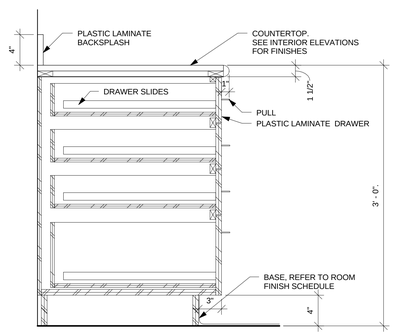
E5 TYP."B" CABINET DETAIL
1 1/2" = 1'-0"



F6 TYP. "TC" CABINET DETAIL
1 1/2" = 1'-0"



F8 LOCKER DETAIL
1 1/2" = 1'-0"



F2 TYP. COUNTER SUPPORT DETAIL
1 1/2" = 1'-0"

F5 TYP. "BD" CABINET DETAIL
1 1/2" = 1'-0"

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Expiration Date 12/31/2013

Revised By:

Drawing Title: INTERIOR & CASEWORK DETAILS

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No. 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

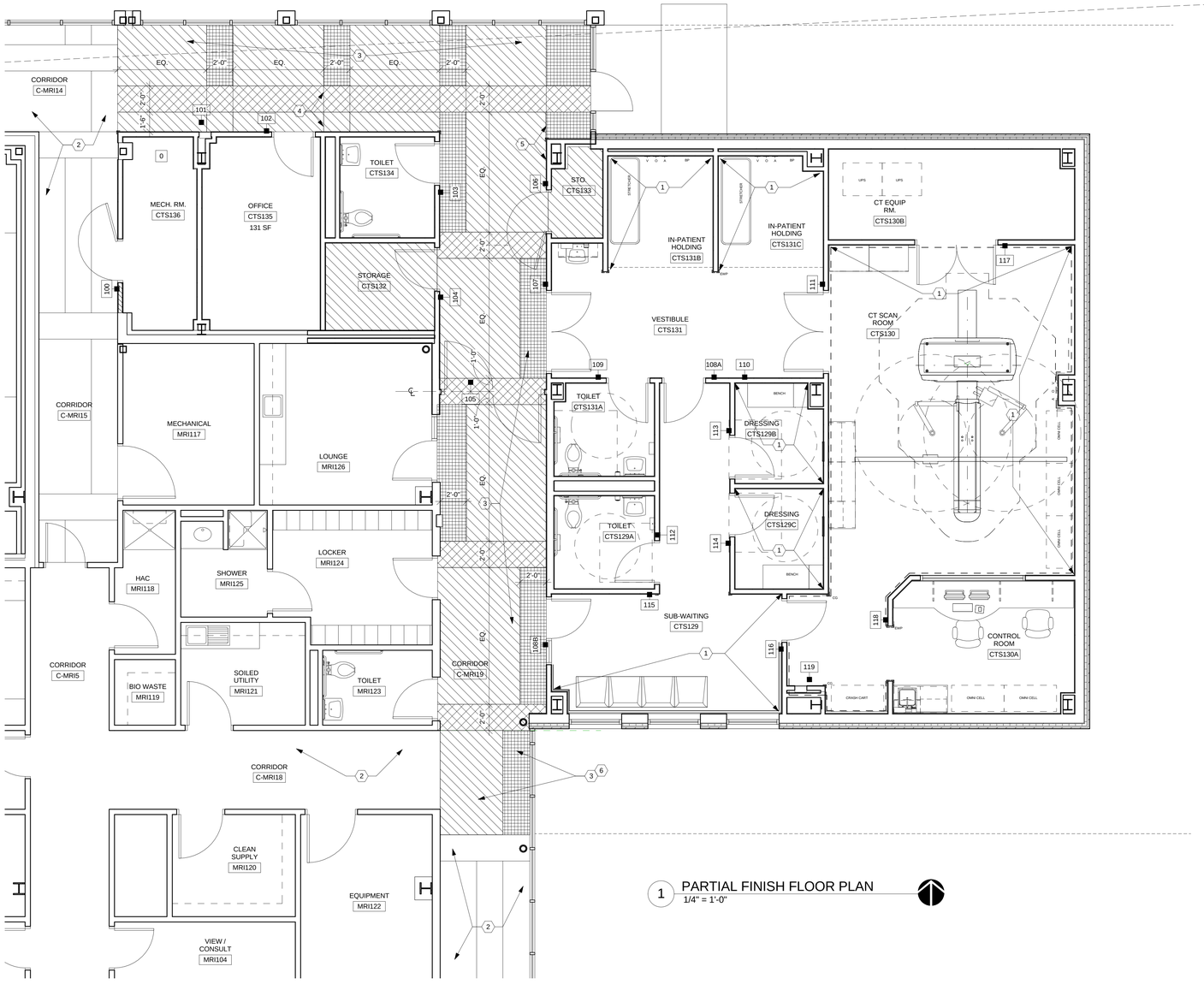
Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No. AS8.2

VAMC, DAYTON

VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 PARTIAL FINISH FLOOR PLAN
1/4" = 1'-0"

CONSTRUCTION NOTES

(00) INDICATES CONSTRUCTION NOTE.

1. WALL WITH ACCENT PAINT COLOR REFER TO ROOM FINISH SCHEDULE.
2. EXISTING STAINED CONCRETE FLOORING TO REMAIN.
3. NEW STAINED CONCRETE FINISH IN AREA OF RENOVATION AND NEW CONSTRUCTION.
4. CONTROL JOINT. TYPICAL.
5. ALIGN.
6. COORDINATE WORK IN THIS AREA TO MAINTAIN EGRESS AT ALL TIMES. FIELD VERIFY EXISTING PATTERN.

FLOOR FINISHES LEGEND

STAINED CONCRETE FINISH:

- CS-1
- CS-2
- CS-3

SIGN SCHEDULE

XXX (SIGN)

PLAN NO.	SIGN TYPE	REMARKS
100	A2	
101	A6	
102	A1	
103	A4	
104	A2	
105	A5	
106	A2	
107	A1	
108A	A1	
108B	A1	
109	A3	
110	A7	
111	A1	
112	A3	
113	A1	
114	A1	
115	A7	
116	A1	
117	A2	
118	A1	
119	A6	
120	A8	TYPICAL OF (2) SIGNS., FIELD COORDINATE LOCATION WITH COR.

GENERAL NOTES:

A. REFER TO SPECIFICATION SECTION 10 14 00 SIGNAGE FOR GRAPHICS.

ROOM FINISH SCHEDULE

ROOM No.	ROOM NAME	FLOOR	BASE	WAINSCOAT MAT.	WAINSCOAT HT.	WALLS N	WALLS S	WALLS E	WALLS W	CEILING MAT.	CEILING HT.	REMARKS
C-MRI14	CORRIDOR	CS 1-3	RB-1			P-1	P-1	P-1	P-1	APC-1		1, 4, 5
C-MRI19	CORRIDOR	CS 1-3	RB-1			P-1	P-1	P-1	P-1	APC-1		1, 4, 5
CTS129	SUB-WAITING	WSF-1	RB-1			P-1	P-2	P-2	P-1	APC-1		
CTS129A	TOILET	PT-1	RB-1			PT-1/P-1	PT-1/P-1	PT-1/P-1	PT-1/P-1	APC-1		2, 6
CTS129B	DRESSING	WSF-1	RB-1			P-2	P-1	P-2	P-1	APC-1		
CTS129C	DRESSING	WSF-1	RB-1			P-2	P-1	P-2	P-1	APC-1		
CTS130	CT SCAN ROOM	WSF-1	RB-1			P-2	P-1	P-2	P-1	APC-1		
CTS130A	CONTROL ROOM	WSF-1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS130B	CT EQUIP RM.	WSF-1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS131	VESTIBULE	WSF-1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS131A	TOILET	PT-1	RB-1			PT-1/P-1	PT-1/P-1	PT-1/P-1	PT-1/P-1	APC-1		2, 6
CTS131B	IN-PATIENT HOLDING	WSF-1	RB-1	VWP-1	3'-6"	P-2	P-1	P-1	P-2	APC-1		
CTS131C	IN-PATIENT HOLDING	WSF-1	RB-1	VWP-1	3'-6"	P-2	P-1	P-1	P-2	APC-1		
CTS132	STORAGE	CS -1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS133	STO.	CS - 1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS134	TOILET	PT-1	RB-1			PT-1/P-1	PT-1/P-1	PT-1/P-1	PT-1/P-1	APC-1		2, 6
CTS135	OFFICE	CPT-1	RB-1			P-1	P-1	P-1	P-1	APC-1		
CTS136	MECH. RM.	CONC	RB-1			P-1	P-1	P-1	P-1	APC-1		
MRI117	MECHANICAL	E	RB-1									3
MRI126	LOUNGE	E	RB-1									3

REMARKS:

1. SEE FINISH FLOOR PLAN FOR FLOOR PATTERN LAYOUT
2. SEE INTERIOR ELEVATIONS FOR WALL CERAMIC TILE PATTERN.
3. PATCH AND REPAIR EXISTING FLOORING, BASE AND CEILING TO ACCOMMODATE NEW WALLS. PAINT NEW WALLS TO MATCH EXISTING COLOR.
4. PATCH AND REPAIR EXISTING CEILING AS NECESSARY WHERE NEW CONSTRUCTION CONNECTS WITH EXISTING.
5. ALL GYPSUM BORD SOFFITS IN PUBLIC CORRIDORS TO BE PAINTED COLOR (P-4)
6. PROVIDE SLOPED METAL TRANSITION TRIM AT DOOR BETWEEN CERAMIC TILE AND ADJACENT ROOM SURFACE FLOORING.

GENERAL NOTES:

A. REFER TO SPECIFICATION SECTION 09 06 00, SCHEDULE FOR FINISHES FOR ADDITIONAL INFORMATION AND ABBREVIATIONS

B. REFER TO FINISH FLOOR PLAN FOR WALLS WITH ACCENT COLOR.

3023.00

Revisions	Date
ISSUED FOR BIDDING	01-31-2013

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Expiration Date 12/31/2013

Revised By:

Drawing Title: PARTIAL FLOOR FINISH PLAN

Project Title: SITE PREP FOR CT SCANNER

Date: 01-31-2013

Project No.: 552-CSI-333

Approved: Project Manager: RANDI FIORINA

Building Number: 335

Checked: PSH

Drawn: FO

Approved: Service Chief: GARY ABREU

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No.: AS9.1

VAMC, DAYTON

VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

1/31/2013 8:13:57 AM

File Name:

GENERAL STRUCTURAL NOTES

A. CODES AND SPECIFICATIONS

1. OHIO BUILDING CODE, 2011.
2. NFPA 101.
3. ASCE 7-05, MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.
4. DEPARTMENT OF VETERAN AFFAIRS SEISMIC DESIGN REQUIREMENTS (H-18-8, FEBRUARY 2011).
5. ACI 301-05 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
6. ACI 318-08 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
7. AISC 303-05 CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AS MODIFIED BY THE CONSTRUCTION DOCUMENTS.
8. ANSI/AWS D1.1 STRUCTURAL WELDING CODE - STEEL

B. FOUNDATIONS

1. THE FOUNDATION DESIGN IS BASED UPON THE RECOMMENDATIONS INCLUDED IN THE REPORT OF GEOTECHNICAL EXPLORATION PREPARED BY BOWSER - MORNER DATED NOVEMBER 2012.
2. FOUNDATION ELEVATIONS SHOWN ARE ESTIMATED AND ARE FOR BIDDING PURPOSES ONLY, AND MAY VARY TO SUIT SUBSURFACE SOIL CONDITIONS.
3. DRILLED PIER FOUNDATIONS ARE DESIGNED TO BEAR IN UNWEATHERED GREY SHALE AND LIMESTONE WITH AN ALLOWABLE BEARING PRESSURE OF 15 KSF AND SKIN FRICTION OF 1 KSF. A MINIMUM ROCK SOCKET IS INDICATED ON PLAN. ALL PIER BEARINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETING.
4. SPREAD FOOTINGS ARE DESIGNED FOR A MAXIMUM BEARING PRESSURE OF 3000 PSF. SOILS UNSUITABLE FOR SUPPORTING FOUNDATIONS SHALL BE REMOVED AS DIRECTED BY GEOTECHNICAL ENGINEER, AND BACKFILLED TO DESIGN BEARING ELEVATION WITH LEAN CONCRETE.
5. CONSTRUCTION JOINTS IN THE STRUCTURAL SLAB ON GRADE NOT INDICATED BY THE DETAILS MUST BE APPROVED BY THE ENGINEER OF RECORD.
6. UNLESS APPROVED OTHERWISE BY THE GEOTECHNICAL ENGINEER, ALL FOOTINGS ARE TO BE POURED NEAT (WITHOUT SIDE FORMS) WHERE SOILS PERMIT. OTHERWISE, SIDES SHALL BE FORMED.
7. SET COLUMN DOWELS AND ANCHOR RODS WITH TEMPLATE PRIOR TO CONCRETING.

C. CONCRETE

1. CONCRETE STRENGTHS:
   A. FOOTINGS, DRILLED PIERS, PILE CAPS AND GRADE BEAMS: 3000 PSI
   B. EXTERIOR CONCRETE EXPOSED TO WEATHER: 4500 PSI AE
   C. TYPICAL CONCRETE UNLESS NOTED OTHERWISE: 4000 PSI AE
   D. INTERIOR CONCRETE SLABS ON METAL DECK: 4000 PSI
   E. BACKFILL (LEAN) CONCRETE: 1500 PSI
2. PROVIDE 3/4" BEVELS AT CORNERS OF ALL EXPOSED COLUMNS, EDGES OF EXPOSED BEAMS AND SLABS, AND TOP EDGES AND CORNERS OF EXPOSED WALLS.
3. WHERE BEAMS OF VARIOUS DEPTHS FRAME INTO A COLUMN, PROVIDE A CONSTRUCTION JOINT AT THE BOTTOM OF THE LOWEST BEAM.
4. MAXIMUM LENGTH OF WALL POUR BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM LENGTH OF SLAB POURS BETWEEN CONSTRUCTION JOINTS SHALL NOT EXCEED 120 FEET. MAXIMUM AREA OF SLAB POURS NOT TO EXCEED 10,000 SF.
5. JOINTS NOT INDICATED ON STRUCTURAL DRAWINGS ARE NOT PERMITTED UNLESS APPROVED BY STRUCTURAL ENGINEER.
6. PLACE NO PERMANENT LOAD, SUCH AS MASONRY WALLS, ON SUPPORTED SLABS UNTIL CONCRETE HAS REACHED SPECIFIED STRENGTH AND ALL SHORING HAS BEEN REMOVED.
7. PLACE NO OPENINGS, SLEEVES, INSERTS, ETC., IN CONCRETE WORK UNLESS CRITERIA INDICATED ON STRUCTURAL DRAWINGS IS MET, OR IS APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
8. CONCRETE CONSTRUCTION TOLERANCES ARE AS SHOWN IN THE PROJECT SPECIFICATIONS.

D. REINFORCING STEEL

1. ALL REINFORCING: 60 KSI YIELD
2. REINFORCE ALL SLABS AS FOLLOWS UNLESS OTHERWISE NOTED, FURNISH MESH IN FLAT SHEETS:
   A. SLABS ON METAL DECK: 6x6 W2.1xW2.1.
3. PROVIDE CLASS B TENSION SPLICES UNLESS OTHERWISE NOTED.
4. CLEARANCES BETWEEN REINFORCING BARS AND CONCRETE SURFACES SHALL BE ACI MINIMUM UNLESS OTHERWISE NOTED.

E. STRUCTURAL STEEL

1. MATERIAL:
   A. WIDE FLANGE SHAPES: ASTM A-992 (Fy 50 KSI).
   B. OTHER ROLLED SHAPES & PLATES: ASTM A-36 (Fy 36 KSI).
   C. STRUCTURAL TUBING, HSS SHAPES: ASTM A-500, GRADE B (Fy 46 KSI).
   D. STEEL PIPES: ASTM A-53, GRADE B (Fy 35 KSI).
   E. HEADED SHEAR STUDS: COMPLY WITH AWS D1.1
   F. FIELD BOLTS: ASTM A-325, 3/4" MIN. DIA., U.N.O.
   G. ANCHOR RODS: ASTM F-1554 (Fy 36 KSI), U.N.O.
2. FABRICATOR TO DESIGN CONNECTIONS NOT DETAILED:
   A. CONNECTIONS ARE TO BE DESIGNED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, THE AISC LRFD SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, THE AISC MANUAL, AND THE STRUCTURAL STEEL FRAMING PLANS, NOTES AND DETAILS OF THESE DRAWINGS.

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

   C. UNLESS SPECIFIC REACTIONS, MOMENTS, SHEARS, AND AXIAL FORCES ARE INDICATED, DESIGN BEAM CONNECTIONS FOR REACTIONS DUE TO THE MAXIMUM UNIFORM LOAD THE BEAM CAN SUPPORT AT ITS SPAN, AS SHOWN IN THE AISC MANUAL FOR SPECIFIED YIELD STRENGTH.
3. PRIME PAINTING IS REQUIRED FOR ALL STEEL WHICH WILL BE VISIBLE IN THE COMPLETED BUILDING AND IS NOT SCHEDULED TO RECEIVE FIRE PROOFING, INCLUDING AREAS OF EXPOSED STRUCTURE SHOWN ON ARCHITECTURAL DRAWINGS. FOLLOW ADDITIONAL REQUIREMENTS OF AISC SPECIFICATIONS AND THE PROJECT SPECIFICATIONS FOR ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.
4. PROVIDE ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) WHERE EXPOSED STEEL WORK IS FIELD PAINTED IN THE COMPLETED STRUCTURE, SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS.
5. ALL EXTERIOR WALL LINTELS, LEDGE ANGLES, CANOPY FRAMING, COOLING TOWER FRAMING, MEMBERS ABOVE THE ROOF LINE AND STEEL EXPOSED TO WEATHER SHALL BE HOT DIPPED GALVANIZED, UNLESS NOTED OTHERWISE.

F. METAL FLOOR AND ROOF DECK

1. ALL WORK SHALL CONFORM TO STEEL DECK INSTITUTE (SDI) SPECIFICATIONS FOR COMPOSITE STEEL FLOOR DECK, NON-COMPOSITE STEEL FORM DECK, AND STEEL ROOF DECK.
2. MATERIAL, G-60 MINIMUM GALVANIZED STEEL:
   A. 3" 20 GAGE (MINIMUM) ROOF DECK.
   B. 2" 20 GAGE (MINIMUM) COMPOSITE FLOOR DECK.
3. MINIMUM ATTACHMENT OF FLOOR DECK: FASTEN TO ALL SUPPORTS WITH NOT LESS THAN 5/8" DIA. FUSION WELDS SPACED 12" O.C. MECHANICALLY FASTEN SIDE LAPS BETWEEN DECK UNITS WITH #10 SCREWS OR BUTTON PUNCH AT 36" O.C. MAX. COMPLY WITH U.L. REQUIREMENTS.
4. MINIMUM ATTACHMENT OF ROOF DECK: FASTEN TO ALL SUPPORTS WITH 5/8" DIA. FUSION WELDS AT 6" O.C. AT ALL ENDS AND END LAPS, AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS AND EDGES PARALLEL WITH DECK FLUTES. FASTEN SIDE LAPS BETWEEN DECK UNITS WITH #10 SCREWS AT 24" O.C. MAX. PROVIDE ADDITIONAL ATTACHMENT WHERE REQUIRED BY U.L. AND FACTORY MUTUAL RATING OR DIAPHRAGM FORCES.

G. COORDINATION AND CONSTRUCTION

1. FIELD VERIFY EXISTING DIMENSIONS AND ELEVATIONS WHICH AFFECT FABRICATION PRIOR TO SUBMITTAL OF SHOP DRAWINGS AND FABRICATION.
2. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS, SLEEVES, FLOOR PITCHES, FILLS, AND DEPRESSIONS.
3. STRUCTURAL FRAMING PLANS ARE TYPICALLY DRAWN AS REFLECTED PLANS SHOWING BEAMS, WALLS, AND COLUMNS ON THE UNDERSIDE OF THE LEVEL SHOWN.
4. ALL FRAMING MEMBERS PROVIDED FOR MECHANICAL TRADES, COOLING TOWER FRAMING, ELEVATOR SUPPORT BEAMS, LINTELS, ROOF OPENINGS, ETC., ARE FOR BIDDING PURPOSES ONLY. SUBMIT MANUFACTURER'S DATA FOR THE PROPOSED EQUIPMENT TO STRUCTURAL ENGINEER PRIOR TO SUBMITTAL OF SHOP DRAWINGS FOR VERIFICATION OR REDESIGN OF SUPPORTS.
5. BRACE ENTIRE STRUCTURE AS REQUIRED TO MAINTAIN STABILITY UNTIL COMPLETE AND FUNCTIONING AS THE DESIGNED UNIT.
6. DO NOT BACKFILL FOUNDATION WALLS SPANNING BETWEEN BASEMENT SLABS AND STRUCTURAL FLOORS UNTIL SUPPORTING SLABS ARE IN PLACE.
7. BRACE WALLS WHICH ARE TIED TO SLAB ON GRADE FOR TOP LATERAL SUPPORT BEFORE BACKFILLING AND UNTIL SLAB ON GRADE HAS ATTAINED SPECIFIED STRENGTH.
8. VERIFY EXACT SIZE AND LOCATION OF ALL WALL, FLOOR, AND ROOF OPENINGS PRIOR TO SUBMISSION OF SHOP DRAWINGS. SHOW ALL OPENINGS ON SHOP DRAWINGS.
9. PLACEMENT OF CONDUITS IN CONCRETE SHALL ADHERE TO THE FOLLOWING:
   A. OUTSIDE DIAMETER OF CONDUITS SHALL BE 1" OR LESS WHERE EMBEDDED IN SLABS AND JOISTS, AND 11/2" OR LESS WHERE EMBEDDED IN BEAMS, WALLS, OR COLUMNS.
   B. BUNCHING OF CONDUITS IS NOT PERMITTED. CONDUITS SHALL BE SPACED 3 DIAMETERS OR GREATER ON CENTER, AND 6" MIN. AWAY FROM COMPOSITE SHEAR STUD CONNECTORS.
   C. LONGITUDINAL PLACEMENT OF CONDUITS IN CONCRETE JOISTS AND BEAMS SHALL BE LIMITED TO ONE CONDUIT PER JOIST AND THREE CONDUITS PER BEAM, 6" MIN. FROM REINFORCING .
   D. MINIMUM CONCRETE COVER ON CONDUITS SHALL BE 11/2".
   E. ALUMINUM CONDUITS, PIPES, OR SLEEVES ARE NOT PERMITTED.
10. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
11. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

H. MECHANICAL LOADS SUPPORTED FROM STRUCTURE

1. LOADS ARE TO BE DISTRIBUTED TO THE STRUCTURE IN A MANNER THAT DOES NOT EXCEED THE LOAD ALLOWANCES NOTED UNDER DESIGN LOADS. ANCHORS ARE TO HAVE AN ULTIMATE SAFETY FACTOR OF AT LEAST 4.0.
2. LOADS SUPPORTED BY WIDE FLANGE BEAMS ARE TO BE APPLIED IN A MANNER WHICH DOES NOT CAUSE TORSION ABOUT THE LONGITUDINAL AXIS OF THE BEAM.
3. THE SIZE AND LOCATION OF ROOF CURBS AND STEEL FRAMING WHICH SUPPORT EQUIPMENT LOADS MUST BE COORDINATED WITH SUPPORTING STRUCTURAL STEEL AND/OR ANGLE FRAMES. HVAC CONTRACTOR MUST PROVIDE ACCURATE DIMENSIONAL INFORMATION TO STEEL FABRICATOR PRIOR TO FABRICATION.
4. ROOF CURBS SUPPORTING LOADS MUST BEAR DIRECTLY ON SUPPORTING STEEL WITH SHIMS TO TRANSFER LOADS THROUGH THE ROOF DECK.
5. DO NOT HANG OR OTHERWISE SUPPORT ANY ITEMS FROM METAL ROOF DECK.

I. DESIGN LOADS

1. FLOOR LOAD:
   SLAB ON GRADE LIVE LOAD: 100 PSF
   TYPICAL 1st AND FUTURE 2nd FLOOR LIVE LOAD: 100 PSF
   MECHANICAL ROOM LIVE LOAD: 150 PSF
   CEILING AND MECHANICAL ALLOWANCE: 15 PSF
   PARTITION ALLOWANCE (LL < 80PSF): 20 PSF
   CONCENTRATED LOAD ON FLOOR: 2000 LBS
2. ROOF LOAD:
   ROOF LIVE LOAD, MINIMUM: 20 PSF - NR
   FUTURE ROOF ALLOWANCE DEAD LOAD: 25 PSF
   FUTURE ROOF ALLOWANCE LIVE LOAD: 25 PSF + DRIFT
   CEILING AND MECHANICAL ALLOWANCE: 15 PSF
   CONCENTRATED LOAD ON ROOF: 300 LBS
   RTU DEAD LOADS ON (FUTURE 2ND FLOOR): MECHANICAL UNITS WEIGHING 40 PSF OR LESS ON EQUIPMENT FOOTPRINT.
   NOT REQUIRING SLAB PENETRATIONS FOR DUCKWORK MAYBE PLACED ON THE SLAB WITHOUT SUPPLEMENTAL REINFORCEMENT OF THE STRUCTURE.
   PATIENT LIFTS: BEAMS HAVE BEEN DESIGNED TO CARRY PATIENT LIFT LOADING OF 770 LBS

NR INDICATES LIVE LOADS ARE NOT REDUCED. OTHERWISE DESIGN LIVE LOADS FOR SLABS, BEAMS, COLUMNS, AND FOUNDATIONS ARE REDUCED PER CODE. ROOF LIVE LOADS ARE INCREASED FOR SNOW DRIFT AND PONDING PER ASCE
7. WATER DEPTH ON DEFLECTED STRUCTURE 6" MAXIMUM.

3. SNOW LOAD:
   GROUND SNOW LOAD: Pg = 25 PSF
   FLAT ROOF SNOW LOAD: B
   SNOW EXPOSURE FACTOR: Ce = 1.0
   SNOW LOAD IMPORTANCE FACTOR: Is = 1.2
   THERMAL FACTOR: Ct = 1.0
4. WIND LOAD:
   BASIC WIND SPEED (3-SECOND GUST): 90 MPH
   WIND LOAD IMPORTANCE FACTOR: Iw = 1.15
   WIND EXPOSURE: C
5. EARTHQUAKE DESIGN DATA:
   SEISMIC OCCUPANCY CATEGORY: IV
   SEISMIC IMPORTANCE FACTOR: Ie = 1.5
   MAPPED SPECTRAL RESPONSE ACCELERATION: Ss = 0.186
   MAPPED SPECTRAL RESPONSE ACCELERATION: S1 = 0.069
   SPECTRAL RESPONSE COEFFICIENT: Sds = 0.124
   SPECTRAL RESPONSE COEFFICIENT: Sd1 = 0.046
   SITE CLASS: B
   SEISMIC DESIGN CATEGORY: A
   BASIC SEISMIC FORCE RESISTING SYSTEM: STRUCTURAL STEEL NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.
   RESPONSE MODIFICATION FACTOR: R=3.
   SEISMIC RESPONSE COEFFICIENT: Cs = 0.093
   ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PER ASCE 7-05 SECTION 12.8.

J. UTILITIES

1. PRIOR TO EXCAVATION AND EARTHWORK, VERIFY LOCATIONS OF UNDERGROUND UTILITIES WITH THE VA. EXCAVATE OR SURVEY TO ESTABLISH EXACT UTILITY LOCATIONS. UTILITY LOCATIONS SHOWN ON THE CONTRACT DRAWINGS ARE ONLY APPROXIMATE AND CANNOT BE USED TO ASSURE THE CONTRACTOR OF ADEQUATE CLEARANCE IN CASE OF CLOSE PROXIMITY. COORDINATE ALL WORK WITH THE UTILITIES TO ASSURE THEIR UNINTERRUPTED FUNCTION.
2. ACTIVE UTILITIES SHOWN ON THE CONTRACT DRAWINGS SHALL BE ADEQUATELY PROTECTED FROM DAMAGE. WHERE ACTIVE UTILITIES ARE ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS, CONTRACTOR SHALL IMMEDIATELY NOTIFY VA, ENGINEER, AND UTILITY OWNER BEFORE PROCEEDING.WORK SHALL BE PROTECTED, SUPPORTED, OR RELOCATED AS DIRECTED, AND THE CONTRACT SUM ADJUSTED ACCORDINGLY.
3. INACTIVE AND ABANDONED UTILITIES ENCOUNTERED BUT NOT SHOWN ON THE DRAWINGS SHALL BE REPORTED IMMEDIATELY TO THE VA AND ENGINEER. SUCH UTILITIES SHALL THEN BE REMOVED, PLUGGED, OR CAPPED AS DIRECTED, IN THE ABSENCE OF SPECIFIC REQUIREMENTS, PLUG OR CAP SUCH UTILITIES AS REQUIRED BY THE UTILITY OWNER.

K. FIREPROOFING

1. ALL LOAD BEARING METAL STRUCTURAL FRAMING REQUIRES SPRAY-ON FIRE PROOFING OR FIRE RATED ENCLOSURE. REFER TO PROJECT SPECIFICATION AND ARCHITECTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS.

STRUCTURAL STEEL FRAMING NOTES:

1. UNDIMENSIONED MEMBERS TYPICALLY ARE EQUALLY SPACED BETWEEN DIMENSIONED MEMBERS.
2. COORDINATE SIZES AND LOCATIONS OF ALL FLOOR AND ROOF OPENINGS/SLEEVES WITH ARCHITECTURAL AND MECHANICAL REQUIREMENTS. SEE TYPICAL FLOOR AND ROOF OPENING DETAILS.
3. FABRICATOR TO COMPLETE THE DESIGN OF ALL CONNECTIONS. SEE GENERAL NOTES AND PROJECT SPECIFICATIONS.
4. ALL SHEAR CONNECTIONS TO COLUMNS ARE TO BE AISC DOUBLE ANGLE CONNECTIONS U.N.O. WITH THE MINIMUM ROWS OF BOLTS = BEAM DEPTH IN INCHES DIVIDED BY 4.5 SPACED 3" MINIMUM O.C.
5. UNLESS INDICATED OTHERWISE SHEAR CONNECTIONS AT PURLINS TO GIRDERS MAY BE AISC SINGLE SHEAR CONNECTIONS WITH A MAXIMUM ECCENTRICITY OF 3" AND MINIMUM ROWS OF BOLTS = BEAM DEPTH IN INCHES DIVIDED BY 4, SPACED 3" MINIMUM O.C. SINGLE SHEAR CONNECTIONS SHALL HAVE HORIZONTAL SHORT SLOTTED HOLES TO THE SUPPORTED BEAM, STANDARD HOLES TO THE SUPPORTING GIRDER, AND ONE SIDE MAY BE SHOP WELDED.
6. FORCES INDICATED ON THE DRAWINGS ARE FACTORED FOR LRFD DESIGN. DESIGN BEAM CONNECTION FOR FORCES INDICATED ON THE PLANS. BRACING ELEVATIONS AND DETAILS MAY ALSO SHOW REQUIRED FORCES WHICH ARE ADDITIVE. FORCES ARE INDICATED AS :

   A = AXIAL END REACTION, KIPS
   V = VERTICAL END REACTION, KIPS.
7. INDICATES MOMENT CONNECTION.
8. INDICATES BRACE, SEE DETAILS.
9. INDICATES DIRECTION OF DECK SPAN.
10. V.B. = VERTICAL BRACE IN BAY INDICATED. SEE ELEVATIONS.
11. D.B. = DECK BEARING.
12. U.N.O. = UNLESS NOTED OTHERWISE.
13. COMPOSITE SHEAR CONNECTORS TO BE 3/4" DIA. HEADED STUDS, 4" LONG U.N.O. PROVIDE ADDITIONAL STUDS SO THAT THE MAXIMUM INSTALLED SPACING DOES NOT EXCEED 24" O.C., REGARDLESS OF QUANTITY INDICATED. IF NONE ARE INDICATED, PROVIDE AT 24" O.C. ON ALL BEAMS OVER 22 FEET LONG WITH CONCRETE SLABS.
14. W18x35 (16) - A SINGLE NUMBER GIVEN WITH A BEAM SIZE INDICATES TOTAL NUMBER OF STUDS EVENLY SPACED ALONG THE BEAM OR GIRDER.
15. (16) (6) (16) INDICATES QUANTITIES OF STUDS TO BE EVENLY SPACED ALONG GIRDER BETWEEN INTERSECTING PURLINS/COLUMNS.
16. FABRICATE PURLINS AND GIRDERS WITH NATURAL CAMBER UP. NO CAMBER REQUIRED FOR ROOF BEAMS. CAMBER MEMBERS SUPPORTING FLOOR SLABS AS NOTED "Cx " ON PLANS OR AS FOLLOW (U.N.O. ON PLANS):

MEMBER	SPAN (+/-)	CAMBER (+1/2", -0")
W16 PURLINS	30'	1"
W18 PURLINS	40'	11/4"
W21 INTERIOR GIRDERS	30'	7/8"

(MEMBERS NOTED "NC" ON PLAN TO HAVE NATURAL CAMBER ONLY.)

17. SCHEDULE ERECTION SEQUENCE AND/OR PROVIDE ADDITIONAL TEMPORARY VERTICAL BRACING SO THAT ALL PORTIONS OF THE STRUCTURAL FRAME ARE BRACED FOR LATERAL LOADS. HORIZONTAL DECK DIAPHRAGMS ARE TO BE COMPLETED BETWEEN STABILIZING BRACES PRIOR TO CONCRETE PLACEMENT.
18. ROOF AND FLOOR DECK IS TO BE CONTINUOUSLY SUPPORTED AT EACH END OF DECK SPAN. PROVIDE ADDITIONAL L3x3x1/4 DECK SUPPORT ANGLES WHERE REQUIRED.
19. ALL FRAMING CONNECTIONS, GROUTING OF COLUMN BASE PLATES, AND INSPECTIONS TO BE COMPLETED PRIOR TO CASTING SLAB.
20. SLABS ARE TO BE CAST LEVEL, WITH MINIMUM THICKNESS SHOWN ON DRAWINGS. PROVIDE AN ASSUMED EXTRA 3/4" OF CONCRETE TO ACCOUNT FOR METAL DECK AND BEAM DEFLECTION. PURLINS AND GIRDERS ARE UNSHORED DURING SLAB PLACEMENT. AFTER PLACEMENT, FINISH SLABS TO REQUIRED TOLERANCES, REFER TO SPECIFICATIONS.
21. CONTRACTOR IS RESPONSIBLE TO PROVIDE A FINISHED SLAB EDGE WHICH IS STRAIGHT AND TRUE AND ACCURATELY LOCATED RELATIVE TO FINISH WALL LINES. GAGES SHOWN FOR CLOSURE ANGLES ARE THE MINIMUM REQUIRED. HEAVIER GAGE, STRAPS AND/OR A RETURN LIP AT TOP OF ANGLE MAY BE USED AT CONTRACTOR'S OPTION. WELD CLOSURE ANGLES TO DECK/BEAM AT 12" MAX. O.C. OR AS REQUIRED TO PREVENT TORSIONAL DEFLECTION OF ANGLE.
22. ALL ANGLES/MEMBERS SUPPORTING THE BUILDING FACADE, ARCHITECTURAL WALLS OF MASONRY OR GLASS, AND ITEMS NOTED "MASONRY SUPPORT" OR "CFMF SUPPORT" ARE CONSIDERED 'ADJUSTABLE ITEMS' AND ARE TO BE LOCATED WITHIN 3/8" OF THEIR DESIGN VERTICAL AND HORIZONTAL LOCATION RELATIVE TO THE ESTABLISHED FINISH WALL LINE, FINISH FLOOR LINE, AND MASONRY COURSING.

3023.00

Revisions	Date
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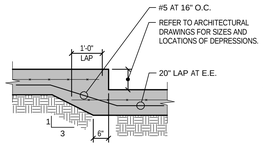
Professional Seal

Revised By:

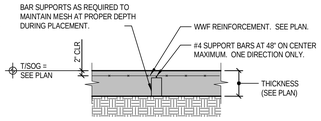
Drawing Title: GENERAL NOTES
Project Title: SITE PREP FOR CT SCANNER
Date: 01/31/2013
Project No. 552 - CSI - 333
Approved: Project Manager: RANDY FIORINA
Building Number: 335
Checked: FJE
Drawn: VLB
Approved: Service Chief: GARY ABRELI
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No. SS0.1

VAMC, DAYTON
VA Department of Veterans Affairs

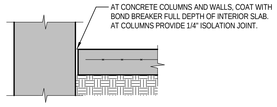
VA FORM 08-6231, OCT 1978



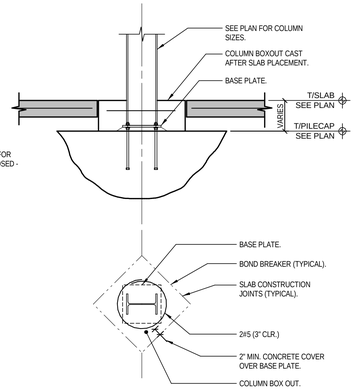
S.O.G. DEPRESSION



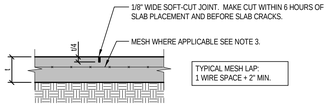
TYPICAL S.O.G.



WALL/FLOOR ISOLATION JOINT

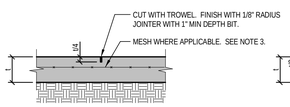


TYPICAL INTERIOR COLUMN BASE



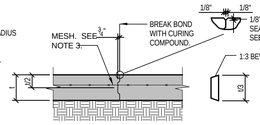
SAWED CONTROL JOINT

(INTERIOR SLABS, UNLESS NOTED OTHERWISE.)
ALTERNATIVELY USE TOOLED CONTROL JOINT.



TOOLED CONTROL JOINT

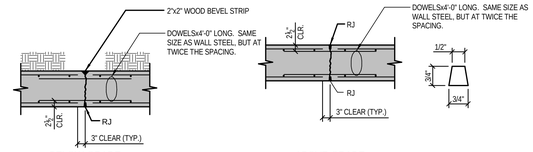
(EXTERIOR SLABS, UNLESS NOTED OTHERWISE.)



KEYED CONSTRUCTION JOINT

NOTES :
1. REFER TO ARCHITECTURAL DRAWINGS FOR JOINTS AT EXTERIOR PAVEMENTS.
2. PROVIDE CONTROL (OR CONSTRUCTION) JOINTS AT ALL COLUMN LINES. ADDITIONALLY PROVIDE CONTROL JOINTS AT MAXIMUM SPACING OF 15'-0" EACH WAY UNLESS OTHERWISE NOTED. PROVIDE CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO ARCHITECT, COTR, AND ENGINEER OF RECORD FOR REVIEW.
3. CUT OUT 4" LENGTH OF EVERY OTHER MESH WIRE CROSSING A JOINT.
4. ALL CONTROL JOINTS SHALL BE ALIGNED WITH TILE JOINTS. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS.
5. REFER TO SPECIFICATIONS FOR SUB BASE AND VAPOR BARRIER REQUIREMENTS.

SLAB ON GRADE CONTROL/CONST. JOINTS

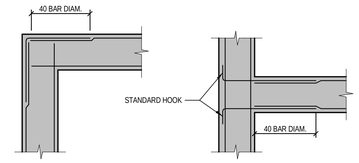


BELOW GRADE

ABOVE GRADE

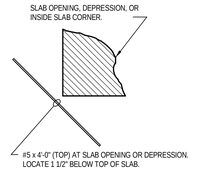
NOTES:
1. FORM TIES TO BE WITHIN 6" OF ANY JOINT.
2. REFER TO FOUNDATION PLAN FOR CONTROL JOINT LOCATIONS.
3. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING REQUIREMENTS.
4. DETAIL CONTROL JOINTS ON SHOP DRAWINGS.
5. LOCATE CONSTRUCTION JOINTS AT CONTROL JOINTS.

VERTICAL WALL CONTROL AND CONSTRUCTION JOINTS



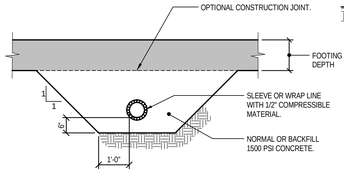
NOTES:
1. CORNER BARS MATCH HORIZ. REINFORCEMENT IN SIZE AND SPACING.
2. FOR SINGLE LAYER WALLS USE SINGLE BARS AS SHOWN.

TYP. BARS AT WALL, BEAM AND FOOTING CORNERS AND INTERSECTIONS

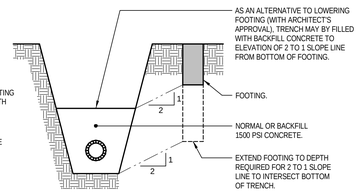


NOTE:
DETAIL APPLIES TO BOTH ELEVATED SLABS AND SLABS-ON-GRADE.

TYPICAL BARS AT SLAB CORNER

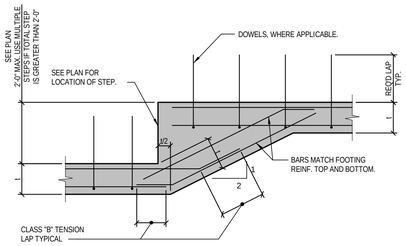


PERPENDICULAR TO FOOTING



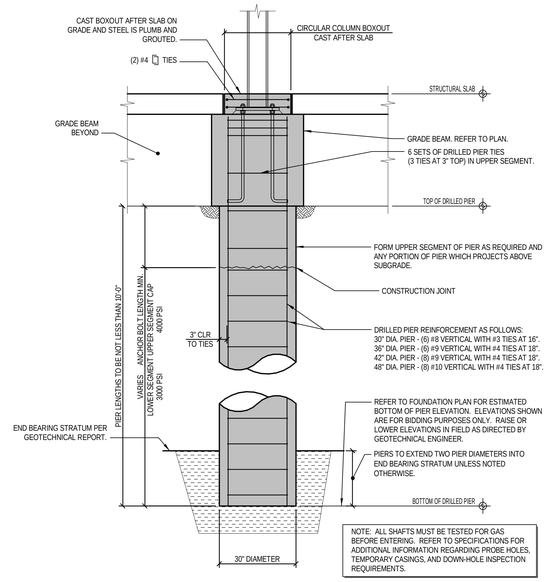
PARALLEL WITH FOOTING

MECHANICAL LINES ADJACENT TO FOOTINGS

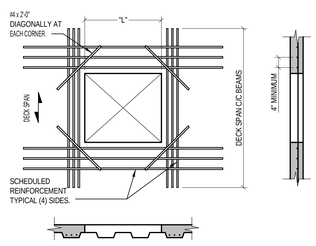


TYPICAL FOOTING STEP IN CLAY OR FILL

TYPICAL FOOTING STEPS

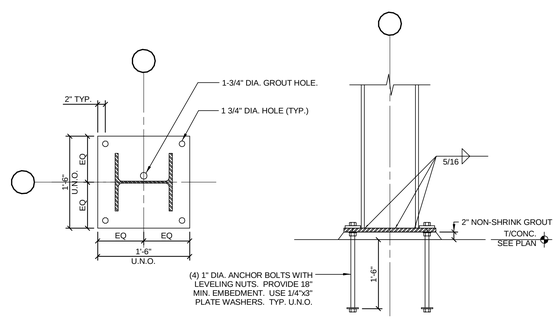


TYPICAL STEEL COLUMN/DRILLED PIER



ISOLATED SLAB OPENING

NOTES:
1. BOX OUT OPENING. DO NOT CUT DECK UNTIL 7 DAYS AFTER SLAB IN CAST. GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING PLACEMENT OF REINFORCEMENT AND CUTTING OF DECK BY OTHER TRADES.
2. ROUGH OPENING SIZE EQUALS DUCT SIZE PLUS 2". REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATIONS OF OPENINGS.
3. "L" = OPENING LENGTH PERPENDICULAR TO SLAB SPAN OR DIAMETER FOR SLEEVES. MAXIMUM "L" IS 2'-6". NO LENGTH RESTRICTION PARALLEL TO DECK SPAN.
4. MINIMUM CLEAR SPACING BETWEEN OPENINGS PERPENDICULAR TO DECK SPAN IS 2 x "L".
5. REINFORCEMENT:
L = 20" TO 30", USE (3) #5 EACH SIDE.
L = 12" TO 19", USE (2) #5 EACH SIDE.
L = 6" TO 11", USE (1) #5 EACH SIDE.
L = LESS THAN 6", NO REINFORCING REQUIRED.
LENGTH PARALLEL TO DECK SPAN EQUALS SPAN +4"
LENGTH PERPENDICULAR TO DECK SPAN EQUALS OPENING +4'-0".



TYPICAL COLUMN BASE

NOTE: ANCHOR BOLTS ARE SHOWN ON OUTSIDE OF COLUMN FLANGES. COORDINATE WITH REINFORCING BAR/COLUMN DIMENSIONS FOR LOCATION OF ANCHOR BOLTS.

3023.00

Revisions	Date
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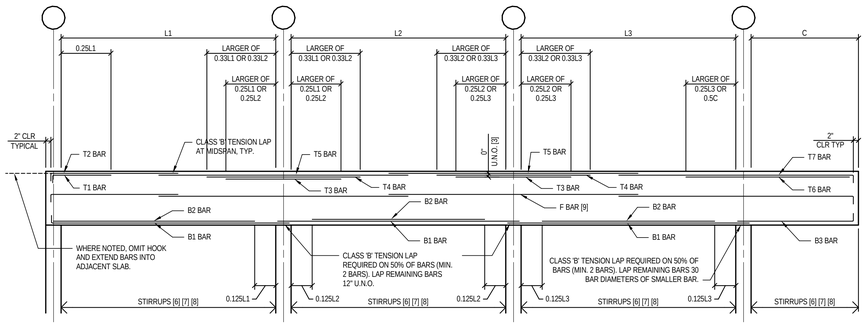
Revised By:

Drawing Title	TYPICAL DETAILS
Project Title	SITE PREP FOR CT SCANNER
Date	01/31/2013
Project No.	552 - CSI - 333
Approved: Project Manager	RANDY FIORINA
Building Number	335
Checked	FJE
Drawn	VLB
Drawing No.	SS0.2
Approved: Service Chief	GARY ABRELI
Location	4100 WEST THIRD STREET DAYTON, OH 45428

VAMC, DAYTON
VA Department of Veterans Affairs

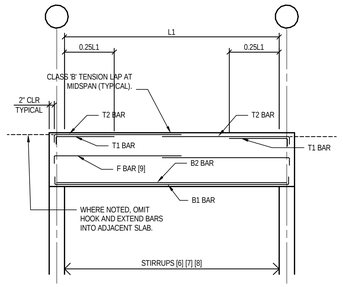
VA FORM 08-6231, OCT 1978



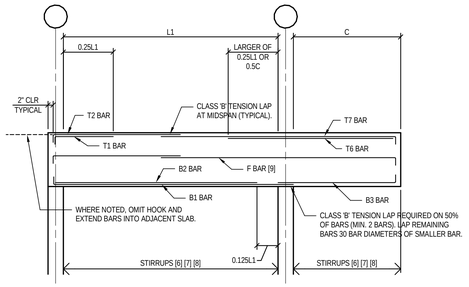
EXTERIOR SPAN
TYPE 1 BEAM

INTERIOR SPAN
TYPE 2 BEAM

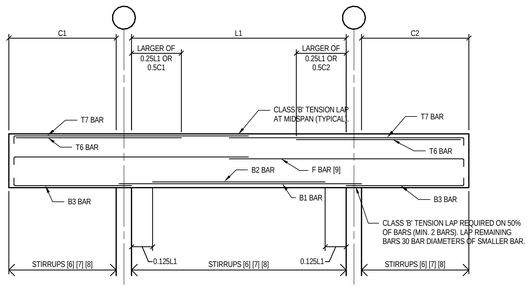
EXTERIOR SPAN WITH CANTILEVER
TYPE 3 BEAM



SINGLE SPAN
TYPE 4 BEAM



SINGLE SPAN WITH CANTILEVER
TYPE 5 BEAM



SINGLE SPAN WITH DOUBLE CANTILEVER
TYPE 6 BEAM

TYPICAL BEAM REINFORCEMENT DIAGRAM NOTES

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

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

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

[4] PROVIDE 1 ½" CONCRETE COVER TO TIES AND STIRRUPS ON ALL BEAM SURFACES, UNLESS NOTED OTHERWISE.

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

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

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

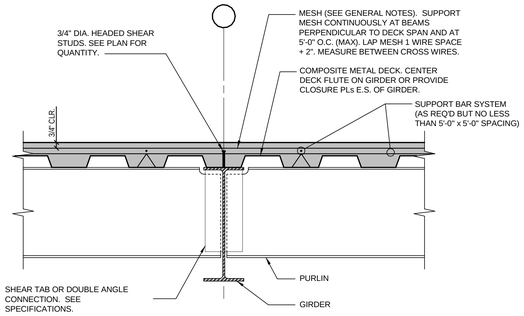
[8] STIRRUPS ARE NOTED AS BEGINNING AT THE SUPPORT EACH END AND PROCEEDING TOWARD THE MIDSPAN.

[9] PLACE ⅓ OF SCHEDULED FACE BARS (TYPE "F") ON EACH FACE OF BEAM AND SPACE EQUALLY BETWEEN TOP AND BOTTOM BARS. BARS ARE CONTINUOUS WITH CLASS "B" TENSION LAPS LOCATED AT APPROXIMATE MIDSPAN OF BEAM. AT DISCONTINUOUS ENDS, HOOK FACE BARS AT FAR END OF THE SUPPORT OR EMBED 40 BAR DIAMETERS BEYOND THE FACE OF THE SUPPORT UNLESS OTHERWISE NOTED.

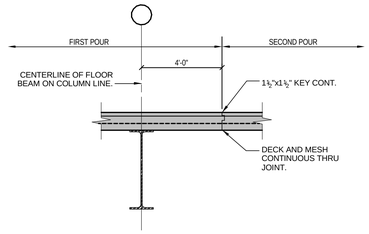
[10] FABRICATE BEAM REINFORCEMENT FOR NOMINAL CONCRETE BEAM SIZES NOTED, ALTHOUGH ACTUAL CONCRETE SECTIONS MAY BE WIDER AND/OR DEEPER. UNLESS NOTED OTHERWISE, PLACE BEAM REINFORCEMENT TO MAINTAIN MINIMUM CONCRETE COVER WITHIN NOMINAL BEAM SIZE. SEE "TYPICAL BEAM BAR PLACEMENT" DETAILS FOR REQUIRED ADDITIONAL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

STIRRUP TYPES	
ST-1	
ST-2	
ST-3	
ST-4	
ST-5	

TYPICAL GRADE BEAM REINFORCEMENT DIAGRAMS

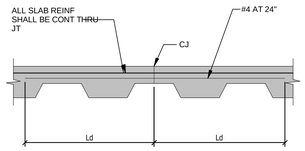


TYPICAL SUPPORTED SLAB



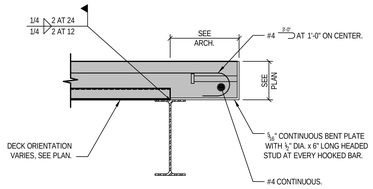
NOTES:
1. LOCATION OF CONSTRUCTION JOINTS AT CONTRACTOR'S OPTION, SUBJECT TO ARCHITECT'S APPROVAL.

SLAB ON METAL DECK CONSTRUCTION JOINT (PERPENDICULAR)

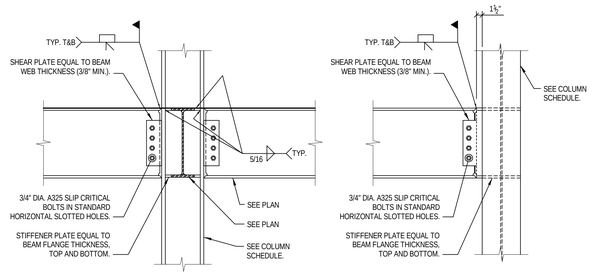


NOTES:
1. SUBMIT LOCATIONS OF ALL CONSTRUCTION JOINTS TO ENGINEER FOR REVIEW AND ACCEPTANCE BEFORE FORMING.

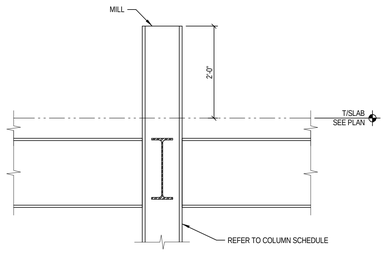
SLAB CONSTRUCTION JOINT (PARALLEL)



TYPICAL SLAB EDGE DETAIL



TYPICAL BEAM TO COLUMN MOMENT CONNECTION



TYPICAL COLUMN EXTENSION

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STATE OF OHIO
FRANK JOSEPH ELLERT
E - 50492
REGISTERED PROFESSIONAL ENGINEER

Professional Seal

Revised By:

Drawing Title: TYPICAL DETAILS

Project Title: SITE PREP FOR CT SCANNER

Date: 01/31/2013

Project No.: 552 - CSI - 333

Approved: Project Manager: RANDY FIORINA

Building Number: 335

Checked: FJE

Drawn: VLB

Approved: Service Chief: GARY ABRELI

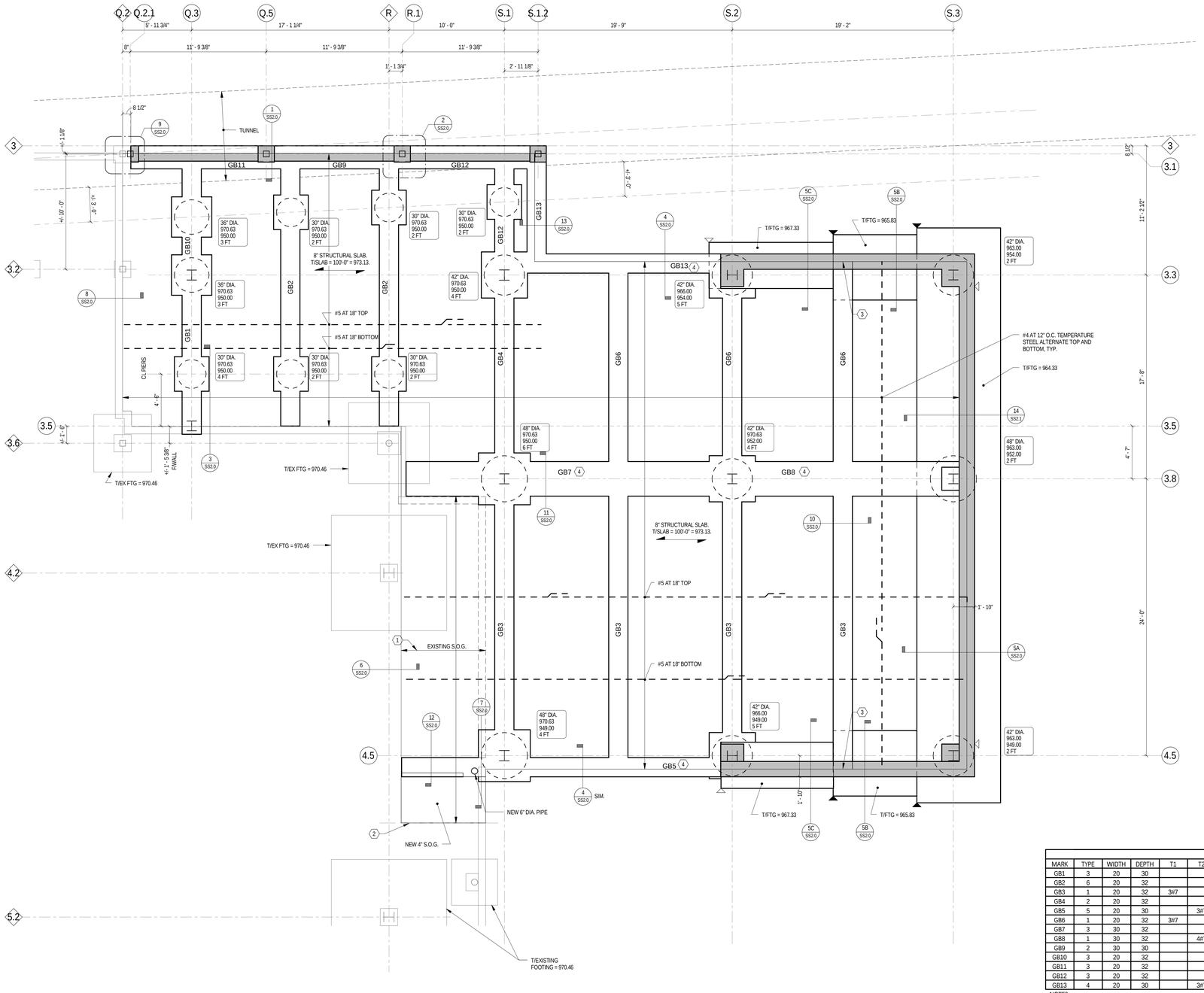
Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No.: SS0.3

VAMC, DAYTON

Department of Veterans Affairs

VA FORM 08-6231, OCT 1978



1 SS1.0 Foundation Plan
1/4" = 1'-0"

DRAWING NOTES:

1. REFER TO SS0.1 FOR GENERAL NOTES.
2. REFER TO SS0.2 AND SS0.3 FOR TYPICAL DETAILS.

KEY NOTES:

1. REMOVE EXISTING SLAB ON GRADE. SEE ARCH DRAWINGS FOR LOCATION. EXISTING STOREFRONT DO NOT DAMAGE.
2. PROVIDE TEIMPORARY SHORING TO PROTECT EXISTING S.O.G. DURING EXCAVATION.
3. GRADE BEAM POCKET, FULL DEPTH OF BEAM. PROVIDE DBR'S FOR ALL SCHEDULED TOP REINFORCEMENT.
4. INSTALL TOP GIRDER REINFORCING BELOW TOP GRADE BEAM REINFORCEMENT.

LEGEND:

X — DRILLED PIER DIAMETER
XXX'-X" — TOP OF DRILLED PIER ELEVATION
XXX'-X" — ESTIMATED DRILLED PIER TIP ELEVATION
X FT — MIN. ROCK SOCKET DEPTH
▼ INDICATES FOOTING STEP. SEE TYPICAL DETAIL.
▽ INDICATES WALL CONTROL/CONSTRUCTION JOINT. SEE TYPICAL DETAIL.

GRADE BEAM SCHEDULE

MARK	TYPE	WIDTH	DEPTH	T1	T2	T3	T4	T5	T6	T7	B1	B2	B3	F	STIRRUPS	NOTES
GB1	3	20	30					4#7		4#7	3#7				#4 (ST-3): AT 9" O.C. IN CANTILEVER, BAL AT 24" O.C.	
GB2	6	20	32							3#7	3#7		3#7		#4 (ST-1): AT 12" O.C. FULL LENGTH	
GB3	1	20	32	3#7			3#7				4#7				6#4 (ST-1): AT 12" O.C. EE, BAL AT 24" O.C.	
GB4	2	20	32					3#7			3#7				6#4 (ST-1): AT 12" O.C. EE, BAL AT 24" O.C.	
GB5	5	20	30		3#7					3#7	3#7		3#7		#4 (ST-1): AT 12" O.C. FULL LENGTH	1
GB6	1	20	32	3#7							3#7				6#4 (ST-1): AT 12" O.C. EE, BAL AT 24" O.C.	
GB7	3	30	32					4#7		5#7	3#7	2#7	3#7		#4 (ST-1): AT 12" O.C. FULL LENGTH	
GB8	1	30	32		4#7						3#7	2#7			#4 (ST-1): AT 12" O.C. FULL LENGTH	
GB9	2	30	30					3#7			3#7				#4 (ST-1): AT 12" O.C. FULL LENGTH	
GB10	3	20	32							4#7	3#7				#4 (ST-3): AT 9" O.C. IN CANTILEVER, BAL AT 24" O.C.	3, 4
GB11	3	20	32					3#7		3#7	3#7		3#7		#4 (ST-1): AT 12" O.C. FULL LENGTH	
GB12	3	20	32							3#7	3#7				#4 (ST-1): AT 12" O.C. FULL LENGTH	3, 4
GB13	4	20	30		3#7						3#7				#4 (ST-1): AT 12" O.C. FULL LENGTH	1

NOTES:
1 EXTEND TOP BARS 11'-0" INTO ADJACENT WALL.
2 NOT USED
3 SCHEDULED TOP BARS CONTINUOUS FROM ADJACENT GRADE BEAM. OMIT SPLICE.
4 EXTEND B1 BARS INTO CANTILEVER 2" CLR OF END OF GRADE BEAM AND HOOK.

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Professional Seal

Revised By:

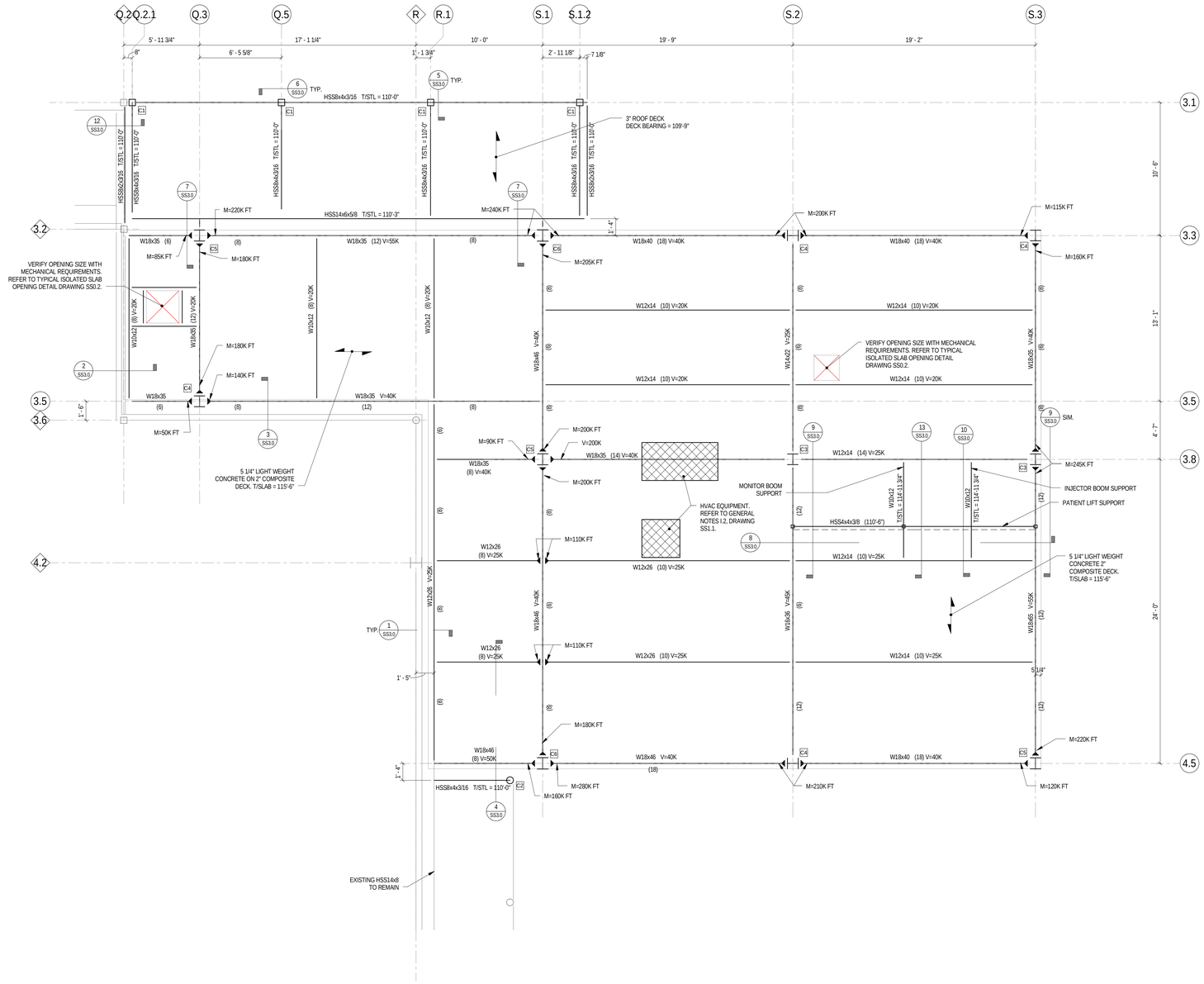
Drawing Title: FOUNDATION PLAN
Project Title: SITE PREP FOR CT SCANNER
Date: 01/31/2013
Project No.: 552 - CSI - 333
Approved: Project Manager: RANDY FIORINA
Building Number: 335
Checked: FJE
Drawn: VLB
Approved: Service Chief: GARY ABRELI
Location: 4100 WEST THIRD STREET DAYTON, OH 45428
Drawing No.: SS1.0

VAMC, DAYTON — VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978

DRAWING NOTES:

1. REFER TO SS0.1 FOR GENERAL NOTES.
2. REFER TO SS0.2 AND SS0.3 FOR TYPICAL DETAILS.



1 ROOF FRAMING PLAN
SS1.1 1/4" = 1'-0"

STEEL COLUMN SCHEDULE

	C1	C2	C3	C4	C5	C6
HIGH ROOF TOP OF SLAB EL. 115'-6"			2'-0" TYP.			
LOW ROOF EL. SEE PLAN						
EL. 100'-0"	HSS6x4x3/16	6" PIPE	W10x68	W10x60	W10x68	W10x68
BASE PLATE (T x W x L)	3/4"x12"x12"	3/4"x12"x12"	1-1/2"x18"x18"	1-1/2"x18"x18"	1-1/2"x18"x18"	1-1/2"x18"x18"

NOTE: REFER TO TYPICAL COLUMN BASE DETAIL ON SS0.2 FOR ANCHOR BOLT SIZE AND ADDITIONAL INFORMATION.

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Revised By:

Drawing Title: **ROOF FRAMING PLAN**

Project Title: SITE PREP FOR CT SCANNER

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Project No.: 552 - CSI - 333

Approved: Project Manager: RANDY FIORINA

Building Number: 335

Checked: FJE

Drawn: VLB

Approved: Service Chief: GARY ABRELI

Location: 4100 WEST THIRD STREET DAYTON, OH 45428

Drawing No.: SS1.1

VAMC, DAYTON

VA Department of Veterans Affairs

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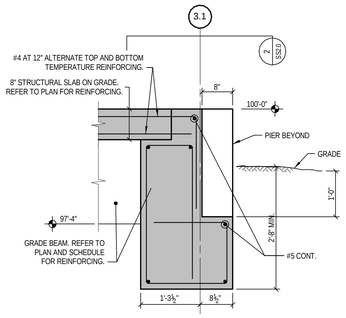
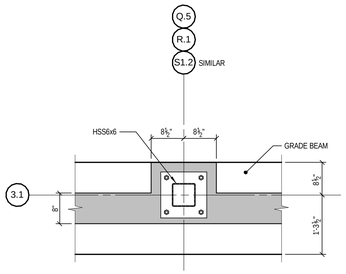


1 SS2.0 SECTION 3/4" = 1'-0"



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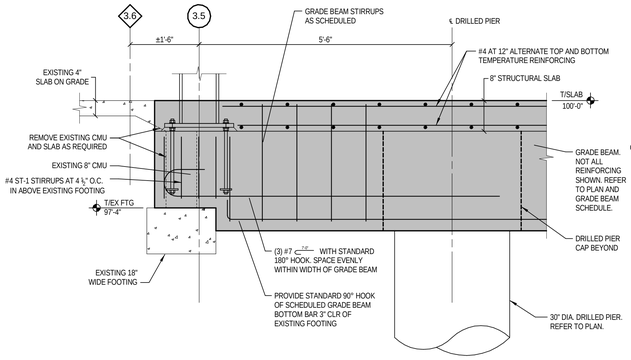
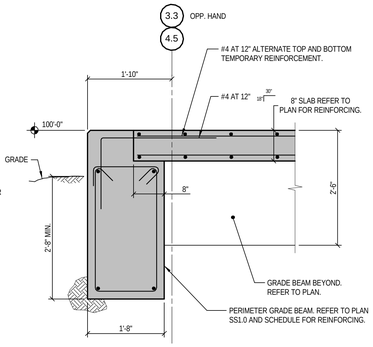
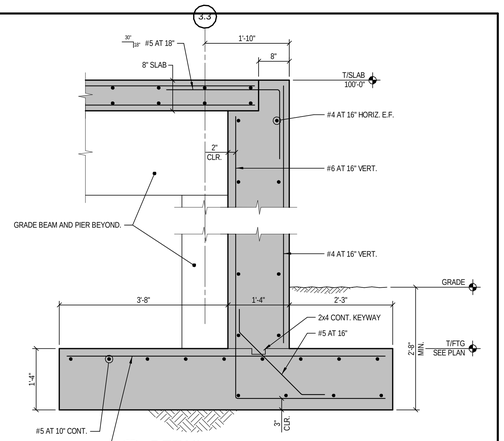


3 SS2.0 SECTION 3/4" = 1'-0"



4 SS2.0 DETAIL 3/4" = 1'-0"



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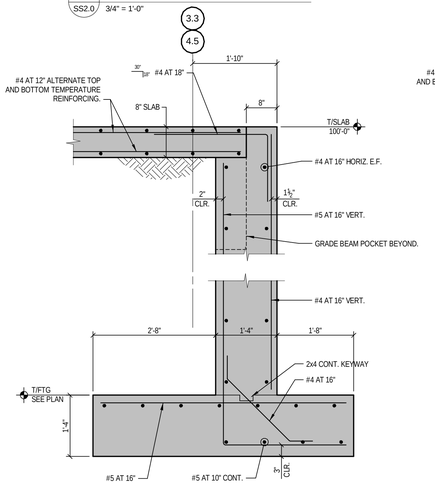

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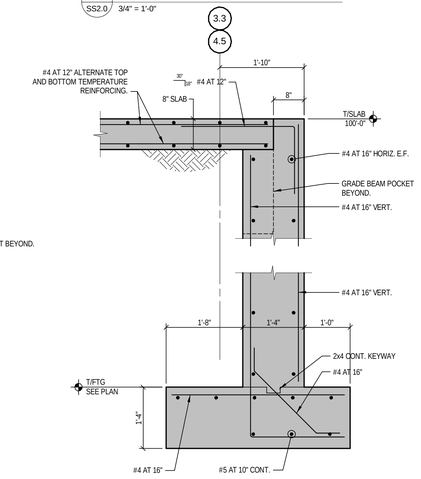

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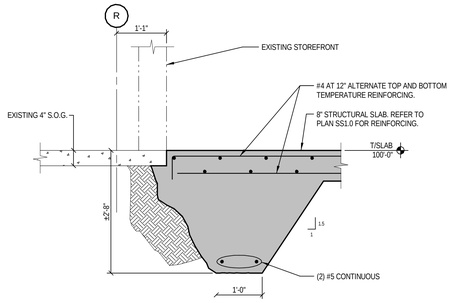

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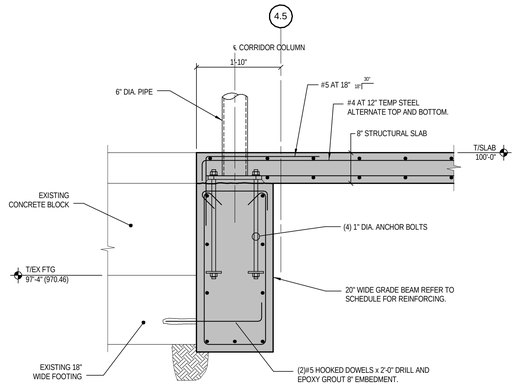

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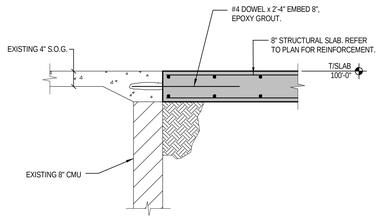

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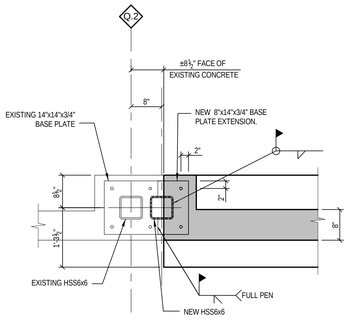

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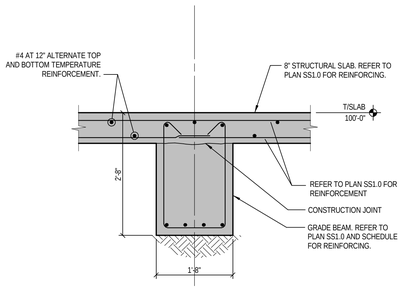

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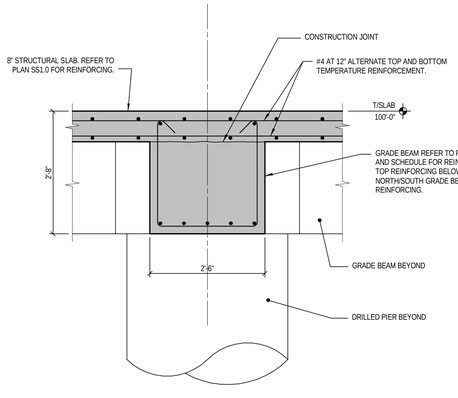

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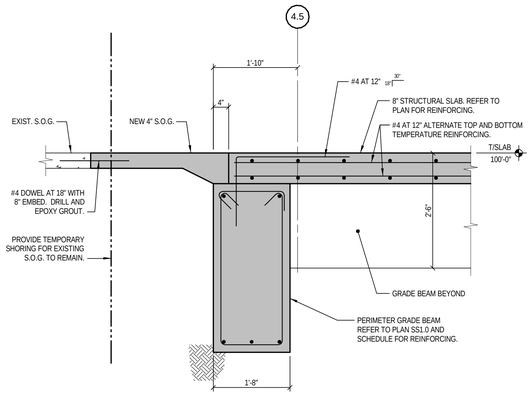

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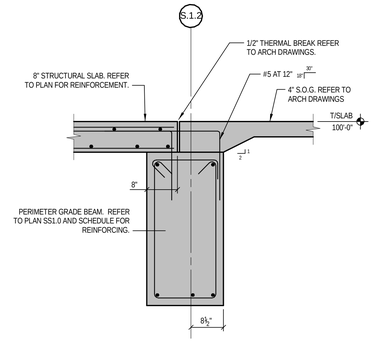

13 SS2.0 DETAIL 3/4" = 1'-0"

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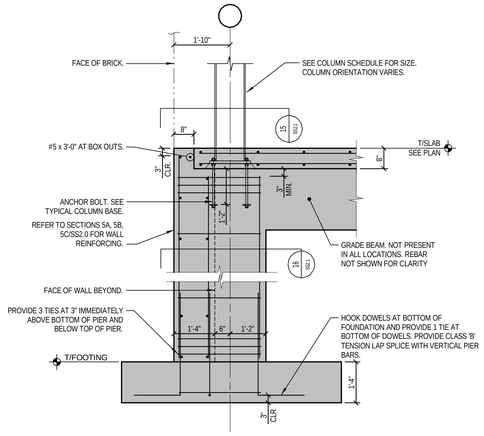

14 SS2.1 SECTION
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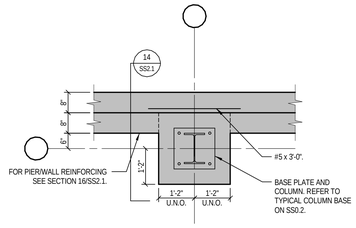

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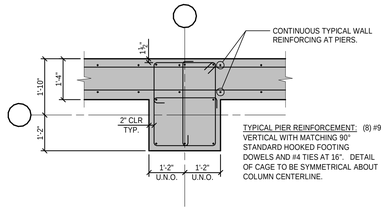

16 SS2.1 SECTION
1/2" = 1'-0"

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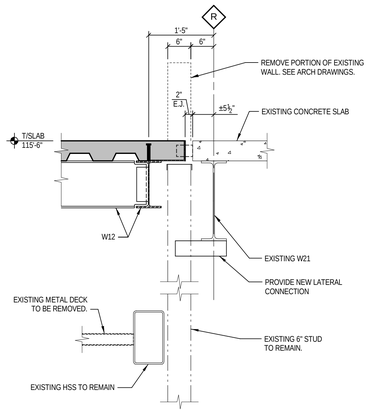

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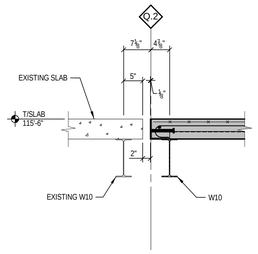

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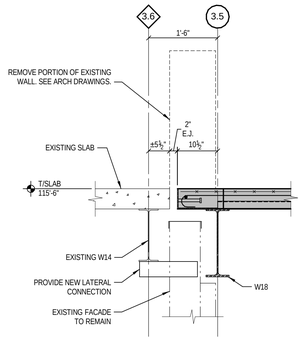

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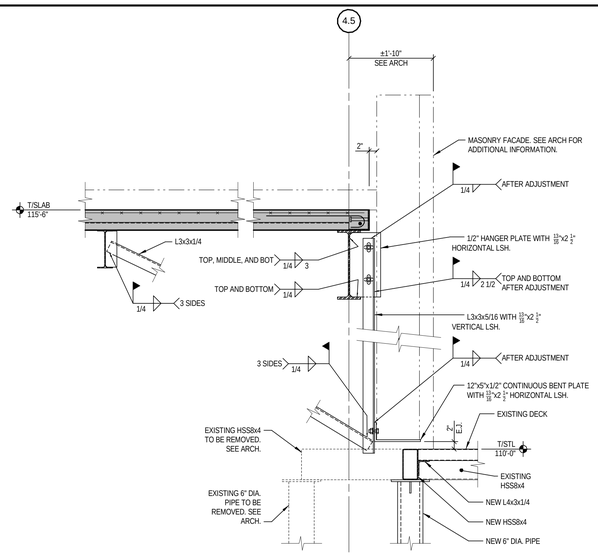

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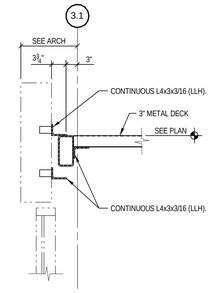

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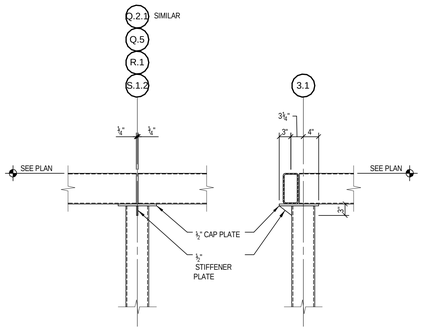

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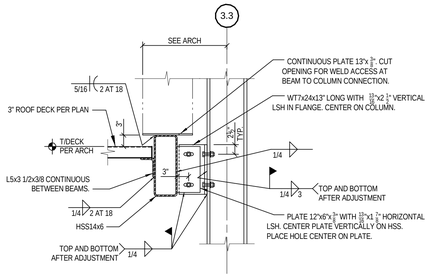

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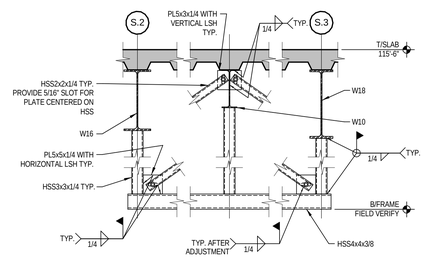
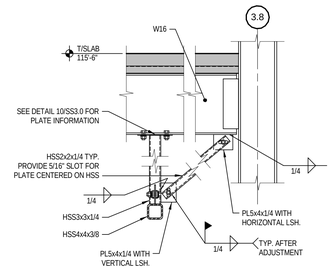
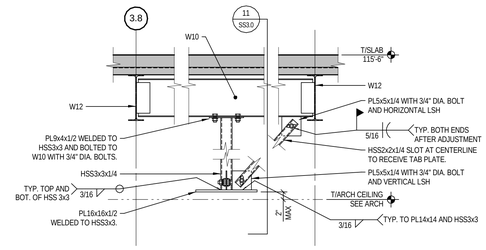


8 SECTION
SS3.0 3/4" = 1'-0"

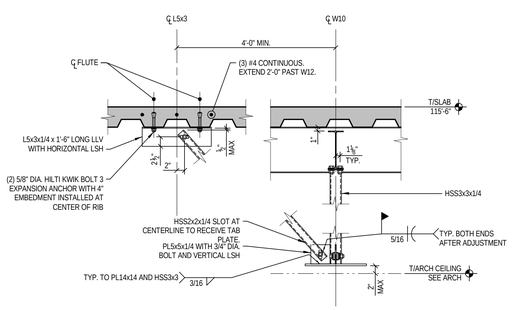


9 SECTION
SS3.0 3/4" = 1'-0"

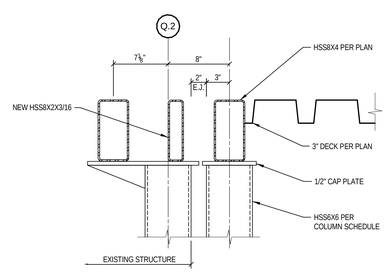


NOTE:
FIELD VERIFY DIMENSIONS FOR PLACEMENT OF MONITOR PIPE LOCATION AND THAT FRAME DOES NOT INTERFERE WITH MECHANICAL PRIOR TO FABRICATION.

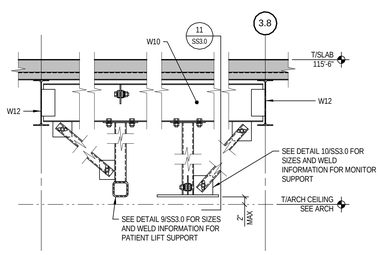
10 SECTION
SS3.0 3/4" = 1'-0"



11 SECTION
SS3.0 3/4" = 1'-0"



12 SECTION
SS3.0 1 1/2" = 1'-0"



NOTE:
FIELD VERIFY DIMENSIONS FOR PLACEMENT OF MONITOR PIPE LOCATION AND THAT FRAME DOES NOT INTERFERE WITH MECHANICAL TO FABRICATION.

13 SECTION
SS3.0 3/4" = 1'-0"

3023.00

Revisions	Date
ISSUED FOR BID	1/31/13

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Professional Seal

Revised By:

Drawing Title	FRAMING DETAILS
Project Title	SITE PREP FOR CT SCANNER
Date	01/31/2013
Project No.	552 - CSI - 333
Approved: Project Manager	RANDY FIORINA
Building Number	335
Checked	FJE
Drawn	VLB
Drawing No.	SS3.0
Approved: Service Chief	GARY ABRELI
Location	4100 WEST THIRD STREET DAYTON, OH 45428

VAMC, DAYTON
VA Department of Veterans Affairs

VA FORM 08-6231, OCT 1978