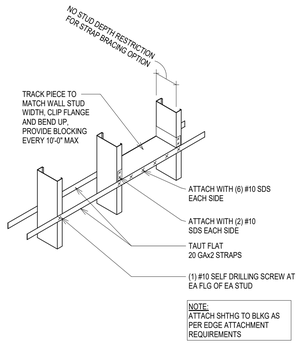
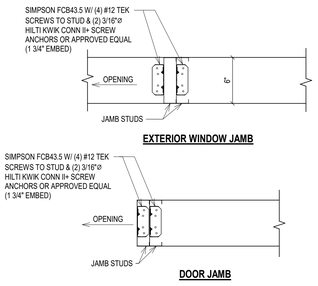


NOTE:
ATTACH SHTHG TO BLKG AS PER EDGE ATTACHMENT REQUIREMENTS

B1 S-602 **TYP MTL STUD BLKG & STRAPPING**
SCALE: 3/4" = 1'-0"



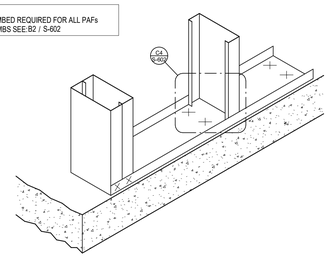
EXTERIOR WINDOW JAMB

DOOR JAMB

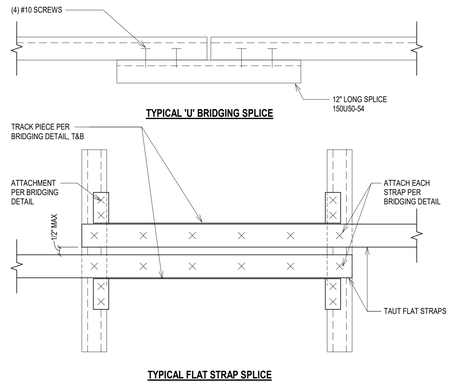
B2 S-602 **TYP MTL STUD BOT TRACK TO CONC AT JAMBS**
SCALE: 1 1/2" = 1'-0"

LOCATION	NUMBER OF FASTENERS REQUIRED
TYPICAL FRAMING	(2) 0.157"Ø PAF @ 16" OC
JAMBS	(4) 0.157"Ø PAFS PER JAMB STUD

NOTES:
1. 1 1/4" EMBED REQUIRED FOR ALL PAFs
2. FOR JAMBS SEE:B2 / S-602



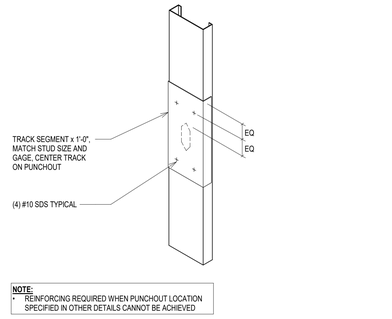
B4 S-602 **TYP MTL STUD BOTTOM TRACK TO CONC**
SCALE: 1 1/2" = 1'-0"



TYPICAL 'U' BRIDGING SPLICE

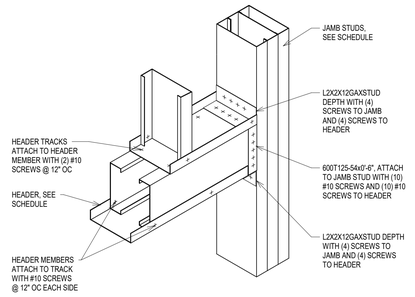
TYPICAL FLAT STRAP SPLICE

B6 S-602 **TYP MTL STUD BRIDGING SPLICE**
SCALE: 3" = 1'-0"

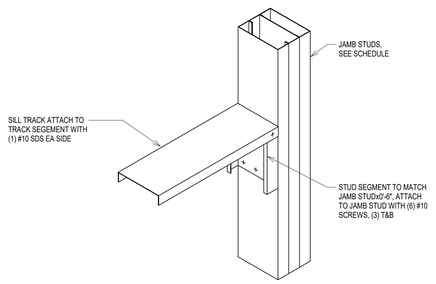


NOTE:
- REINFORCING REQUIRED WHEN PUNCHOUT LOCATION SPECIFIED IN OTHER DETAILS CANNOT BE ACHIEVED

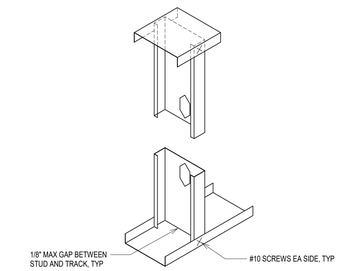
B8 S-602 **TYP MTL STUD PUNCHOUT REINFORCING**
SCALE: 3/4" = 1'-0"



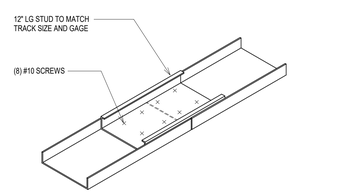
C1 S-602 **TYP MTL STUD HEADER**
SCALE: 1 1/2" = 1'-0"



C2 S-602 **TYP MTL STUD SILL FRAMING**
SCALE: 1 1/2" = 1'-0"

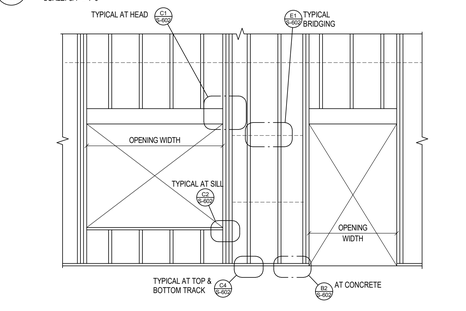


C4 S-602 **TYP MTL STUD TO TRACK**
SCALE: 1 1/2" = 1'-0"



NOTES:
- AT BOTTOM TRACK, SPLICE CENTERED BETWEEN STUDS, STUD SECTION NOT REQUIRED.
- AT TOP DEFLECTION TRACK, SPLICE CENTERED BETWEEN STUDS, STUD SECTION NOT REQUIRED.
- AT TOP TRACK OF BYPASS WALL, SPLCE CENTERED ON STUDS OR SPLICE CENTERED BETWEEN STUD WITH STUD SECTION AS SHOWN.

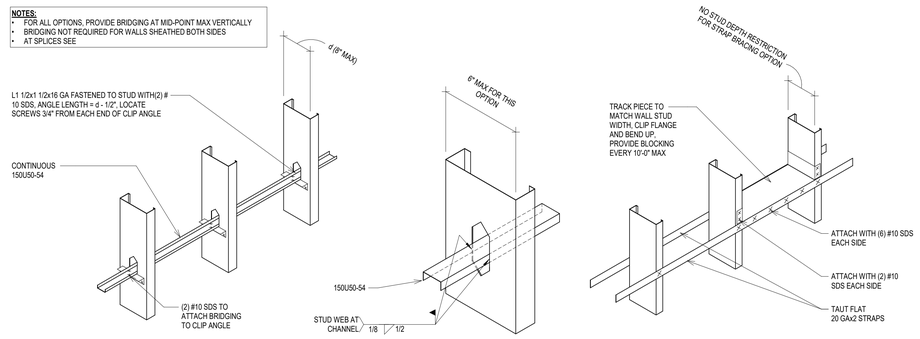
C6 S-602 **TYP MTL STUD TRACK SPLICE**
SCALE: 1 1/2" = 1'-0"



SEE B8 / S-602 FOR TYPICAL PUNCHOUT REINFORCING

C8 S-602 **TYP MTL STUD WALLL FRAMING**
SCALE: 3/8" = 1'-0"

NOTES:
- FOR ALL OPTIONS, PROVIDE BRIDGING AT MID-POINT MAX VERTICALLY
- BRIDGING NOT REQUIRED FOR WALLS SHEATHED BOTH SIDES
- AT SPLICES SEE



OPTION 1 - CLIP ANGLE ATTACHMENT

OPTION 2 - DIRECT WELD ATTACHMENT

OPTION 3 - FLAT STRAPS AND BLOCKING

E1 S-602 **TYP MTL STUD WALL BRIDGING**
SCALE: 1" = 1'-0"

METAL STUD HEADER SCHEDULE

MARK	HORIZONTAL LINTEL BOTTOM OF OPENING		HORIZONTAL LINTEL BOTTOM OF OPENING		VERTICAL MEMBERS EA SIDE OF OPENING	REMARKS
	STUDS	TRACKS	STUDS	TRACKS		
L1	-	(1) 600T125-54	(2) 600S162-54	(2) 600T125-54	(2) 600S162-54	SEE LINTEL SECTION L1
L2	-	(1) 600T125-54	(2) 600S162-54	(2) 600T125-54	(3) 600S162-54	SEE LINTEL SECTION L1
L3	-	-	-	-	(2) 600S162-54	SEE LINTEL SECTION L1

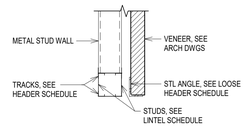
ADDITIONAL REMARKS:
1. PROVIDE UN-PUNCHED MATERIAL FOR HEADER BEAMS.
2. SEE TYPICAL METAL STUD HEADER DETAIL ON THIS SHEET FOR HEADER TO STUD CONNECTION.
3. BRICK LINTEL ANGLES SHALL BEAR 8" (MIN) ON EACH SIDE OF OPENING (SEE LOOSE LINTEL SCHEDULE FOR STEEL ANGLE SIZES).
4. OMIT STUDS OF HORIZONTAL HEADER BEAM AT BOTTOM OF OPENING FOR DOOR LOCATIONS.
5. OMIT STEEL ANGLE LINTEL AT WALL LOCATIONS WITHOUT BRICK VENEER, SEE PLAN & ARCH DWGS.

LOOSE LINTEL SCHEDULE

MAXIMUM OPENING	SIZE OF ANGLES PER 4" MASONRY
≤ 4' - 0"	GALV 5"x3 1/2"x1/4" (LLV)
≤ 5' - 6"	GALV 6"x4"x5/16" (LLV)
≤ 7' - 6"	GALV 7"x4"x3/8" (LLV)

ADDITIONAL REMARKS:
1. PROVIDE 8" MINIMUM BEARING EACH END, UNLESS NOTED OTHERWISE.
2. LINTEL SIZES SHALL BE USED FOR ALL MASONRY OPENINGS IN EXTERIOR BRICK VENEER OTHERWISE SHOWN OR NOTED.
3. PROVIDE CLOSURE PLATES BETWEEN LOOSE LINTEL AND WALL AS PER ARCH DWGS.

NOTE:
FASTEN STUDS TO TRACKS W/ (2) #12 SELF-DRILLING SCREWS @ 12" OC.

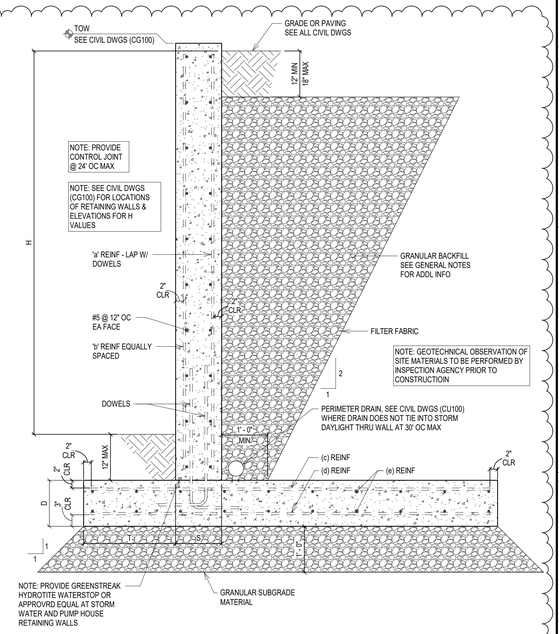


MTL STUD LINTEL DIAGRAM
L1

SITE RETAINING WALL SCHEDULE

	H≤4'	4'<H≤6'
L	3' - 0"	6' - 0"
T	1' - 0"	1' - 0"
S	8"	8"
D	12"	12"
(a) REINF	#5 @ 16"	#5 @ 16"
(b) REINF	-	-
(c) REINF	-	-
(d) REINF	#5 @ 12"	#5 @ 8"
(e) REINF	#5 @ 12"	#5 @ 12"
DOWELS	(1)	(1)
1 (MIN)	20"[1]	20"[1]
2	8"	8"

ADDITIONAL REMARKS:
1. DOWELS TO MATCH VERT REBAR.
2. AT CONTRACTOR'S OPTION, EXTEND DOWEL TO TOP OF WALL AND OMIT (a) REINFORCING.



F8 S-602 **TYP SITE RETAINING WALL & SCHEDULE**
SCALE: 3/4" = 1'-0"

CONSTRUCTION DOCUMENTS

Revision Number Associated with Clouded Area:

1 ADDENDUM #1	01/04/23
Revisions:	Date

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REGISTERED PROFESSIONAL ENGINEER — MICHAEL D. ALBERTSON — PE-5261 — DATE 11-16-21 — NORTH DAKOTA

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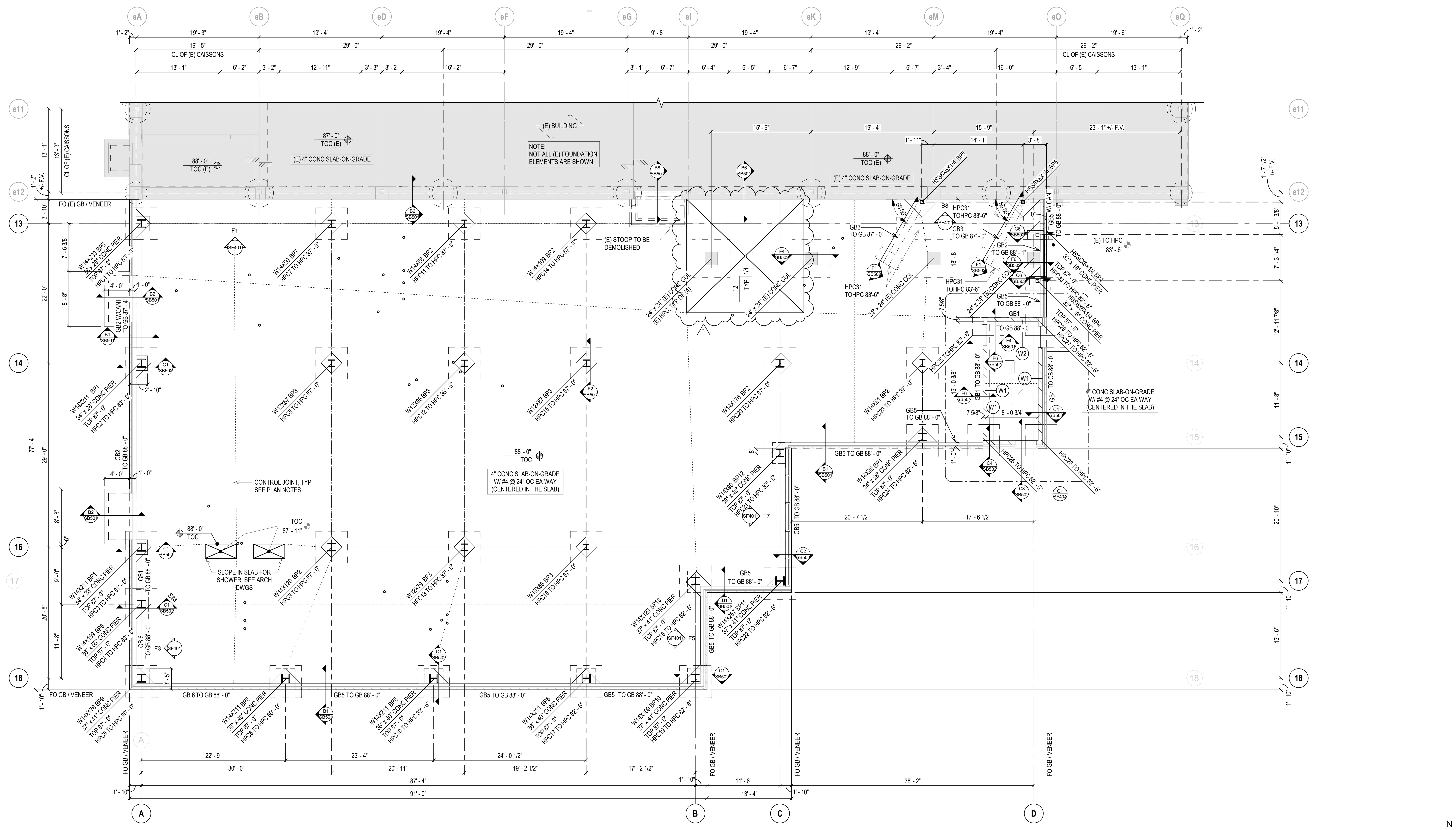
Drawing Title: METAL STUD DETAILS / SCHEDULES
Project Title: EXPAND BLDG. 1 FOR PRIMARY CARE
Project Number: 437-315
Building Number: 1
Approved: Project Director: FARGO VAHCS
Location: 2101 ELM STREET FARGO, ND 58102
Drawing Number: S-602
Date: 11/16/2021
Checked: AJH
Drawn: JAB
Dwg. 64 of 128

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

1/6/2023 10:04:36 AM



FOUNDATION & SLAB PLAN - BASEMENT LEVEL

D1 SB101

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

SHEET NOTES

FOUNDATION & FLOOR SLAB PLAN NOTES

- SEE SHEET SERIES S-001 FOR STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 88' - 0" (EXISTING FLOOR) = CIVIL ELEVATION 892.1'.
- CONTRACTOR TO TAKE CARE AS TO NOT UNDERCUT EXISTING BUILDING SLAB AND FOUNDATIONS DURING CONDTRUCTION. CONTRACTOR TO PROVIDE SHORING AS NEEDED BASE UPON THE MEANS AND METHODS OF CONSTRUCTION USED.
- CAST-IN-PLACE GRADE BEAM REINFORCING SHALL BE CONTINUOUS AROUND CORNERS.
- SEE SHEET SERIES S-601 FOR CONCRETE PIER SCHEDULE.
- CONCRETE SLAB-ON-GRADE SHALL BE 4" THICK WITH #4 REBAR @ 24" OC EACH WAY CENTERED IN THE SLAB, UNLESS NOTED OTHERWISE. (INCLUDING 1 1/2 LBS/CU YD OF FIBER MESH OR AS SUGGESTED BY MANUFACTURER, WHICHEVER IS GREATER)
- CONCRETE SLAB-ON-GRADE CONTROL JOINTS SHALL BE TOOLED OR SAWCUT. THE JOINT PATTERN SHALL BE APPROXIMATELY AS SHOWN.
- FOR TYPICAL SLAB JOINTS, SEE SHEET SERIES S-601.
- MAXIMUM DIMENSION SHALL BE 80' - 0" BETWEEN CAST-IN-PLACE CONCRETE POURS (CONSTRUCTION JOINTS), SEE SHEET SERIES S-601 FOR TYPICAL SLAB JOINTS.
- PROVIDE #4 x36" DOWELS @ 24" OC ALONG ALL SLAB CONSTRUCTION JOINTS.
- PROVIDE (2) #4 x60" REINFORCING BARS IN SLAB-ON-GRADE AT ALL SLAB RE-ENTRANT CORNERS.
- SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATIONS IN FLOOR SLAB.
- SEE MECHANICAL DRAWINGS FOR REQUIRMENTS RELATED TO ISOLATION OF NOISE AND VIBRATION FOR ALL MECHANICAL WORK.
- SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OR MECHANICAL EQUIPMENT PADS.
- CENTER STOOPS ON OPENINGS UNLESS DIMENSIONED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF DOOR OPENINGS.
- BACKFILL & COMPACT BOTH SIDES OF GRADE BEAMS SIMULTANEOUSLY.
- SEE CIVIL DRAWINGS FOR EXTERIOR GRADING.
- SEE ARCHITECTURAL DRAWINGS FOR ALL RIGID INSULATION REQUIREMENTS.
- TYPICAL EXTERIOR STUD WALLS SHALL BE 6"-18 GAUGE METAL STUDS (600S162-54) @ 16" OC UNLESS OTHERWISE NOTED OR DETAILED. SEE SHEET S-602 FOR HEADER SCHEDULE AND FRAMING DETAILS.
- EXTERIOR WALLS SHALL BE SHEATHED WITH 7/16" APA 24/0 SPAN RATED SHEATHING PER ARCHITECTURAL DRAWINGS. ATTACH WITH #8 SELF TAPPING FLAT HEAD SCREWS @ 12" OC, UNLESS OTHERWISE NOTED.
- FOR TYPICAL FOUNDATION RELATED DETAILS SEE SHEET SERIES S-601, INCLUDING BUT NOT LIMITED TO TYPICAL COLUMN ISOLATION DETAIL, TYPICAL PIPE CROSSING DETAIL, AND TYPICAL EQUIPMENT PAD DETAILS.
- ALL BELOW GRADE STEEL CONNECTIONS SHALL BE COATED WITH MASTIC.
- HELICAL CAP SIZES & REINFORCING SHOWN ARE APPROXIMATE ONLY & TO HELP GUIDE HELICAL PIER SUBCONTRACTOR AS TO THE GENERAL EXPECTATIONS OF THEIR RESULTING DESIGN.
- ACTUAL PILE CAP SIZE, REINFORCING, CONNECTION TO PILES, AND HELICAL PIER DESIGN ARE TO BE DETERMINED BY THE PROFESSIONAL ENGINEER RESPONSIBLE FOR DESIGN UNDER CONTROL OF HELICAL PIER SUBCONTRACTOR. DESIGN & CALCULATIONS TO BE SUBMITTED TO ALBERTSON ENGINEERING, INC. FOR APPROVAL PRIOR TO CONSTRUCTION. NO CONSTRUCTION CAN PROCEED WITH ANY HELICAL PIER ITEM PRIOR TO THE APPROVAL OF ALL SHOP DRAWINGS RELATED TO HELICAL PIER CONSTRUCTION. COORDINATE LOCATION AROUND EXISTING UTILITIES. SEE CIVIL AND MECHANICAL DRAWINGS.
- PRIOR TO DRILLING HELICAL PIER, EXISTING UNDERGROUND PIPING SHALL BE LOCATED BY CONTRACTOR. HELICAL PIER LOCATION SHALL BE ADJUSTED AS REQUIRED SO EXISTING PIPING TO REMAIN IS UNDAMAGED DURING CONSTRUCTION. SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- SEE SHEET S-602 FOR METAL STUD WALL REQUIREMENTS.
- SEE SHEET S-601 FOR CMU WALL REQUIREMENTS.

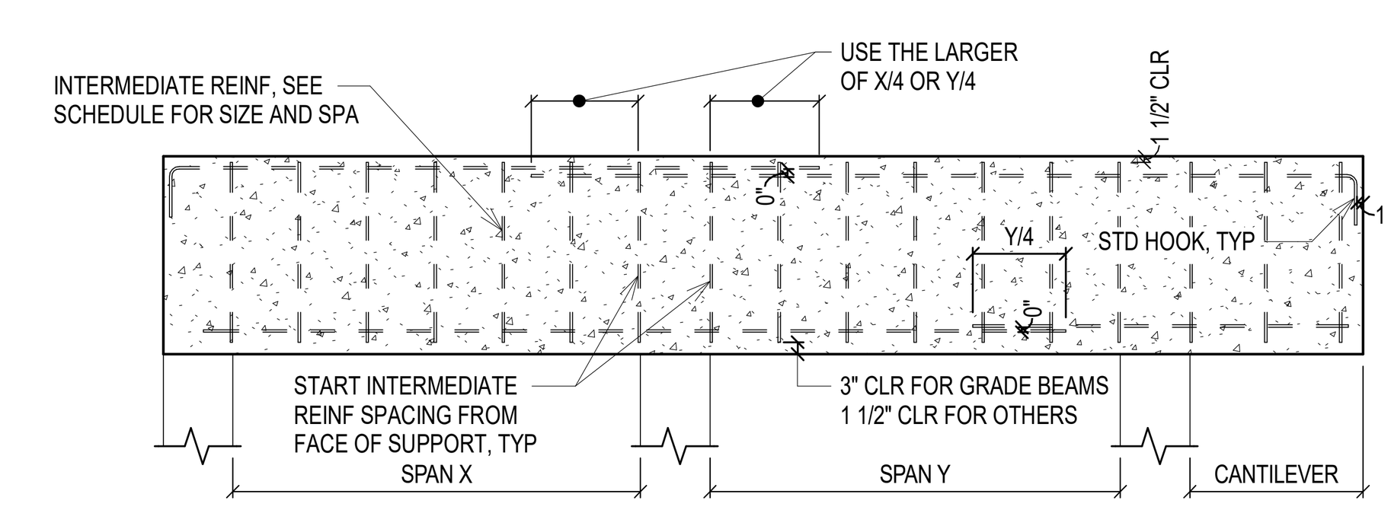
SCHEDULES

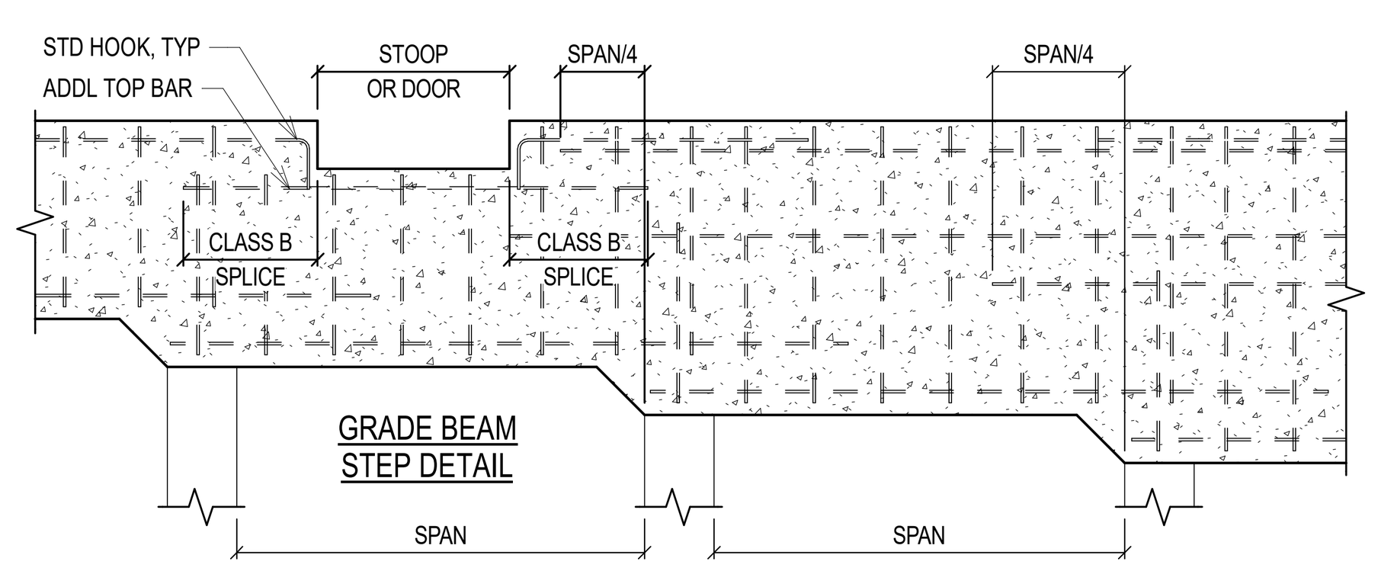
HELICAL PIER CAP SCHEDULE

MARK	DEAD LOAD	LIVE LOAD	SNOW LOAD	WIND LOAD
HPC1	240K (18K)	120K	10K	25K
HPC2	390K (30K)	220K	20K	12K
HPC3	320K (22K)	280K	15K	17K
HPC4	140K (15K)	70K	5K	61K
HPC5	150K (25K)	40K	5K	64K
HPC6	270K (34K)	120K	15K	21K
HPC7	250K	220K	20K	35K
HPC8	340K	310K	30K	2K
HPC9	360K	330K	30K	2K
HPC10	270K (28K)	120K	15K	20K
HPC11	110K	100K	10K	17K
HPC12	260K	240K	20K	2K
HPC13	310K	270K	25K	2K
HPC14	350K	290K	30K	7K
HPC15	350K	320K	30K	2K
HPC16	250K	220K	20K	2K
HPC17	200K (26K)	70K	10K	23K
HPC18	300K (16K)	17K	15K	37K
HPC19	160K (19K)	70K	10K	45K
HPC20	230K	210K	20K	3K
HPC21	310K (26K)	180K	20K	34K
HPC22	130K (21K)	40K	5K	41K
HPC23	140K	120K	15K	3K
HPC24	170K (20K)	60K	5K	2K
HPC25	240K	70K	10K	60K
HPC26	210K	50K	5K	60K
HPC27	240K	30K	5K	30K
HPC28	210K	10K	5K	30K
HPC29	20K	5K	N/A	3K
HPC30	20K	5K	N/A	3K
HPC31	20K	5K	N/A	2K

ADDITIONAL REMARKS:

1. LOADS GIVEN ARE AT A FACTOR OF 1.0. MUST DESIGN WITH APPROPRIATE LOAD COMBINATIONS PER IBC 2018.
2. WIND LOADS ARE LATERAL LOADS OCCURING PARALLEL TO THE BRACE FRAME OR GRADE BEAM AND ARE REVERSIBLE IN DIRECTION.
3. LOADS IN PERENTHESIS ARE PART OF THE TOTAL LOAD OCCURING AT THE GRADE BEAM CENTERLINE. THE REMAINING OCCURS AT THE COLUMN CENTERLINE.
4. BATTERED HELICAL PIERS ARE ANTICIPIPATED TO BE USED FOR SUPPORTING LATERAL LOADS BUT IS DEPENDENT ON THE DESIGN OF THE HELICAL PIER CONTRACTOR. LAYOUT AND ARRANGEMENT TO BE DETERMINED BY HELICAL PIER CONTRACTOR BUT SHALL NOT EXTEND UNDERNEATH EXISTING BUILDINGS OR OTHER SITE STRUCTURES.





GRADE BEAM STEP DETAIL

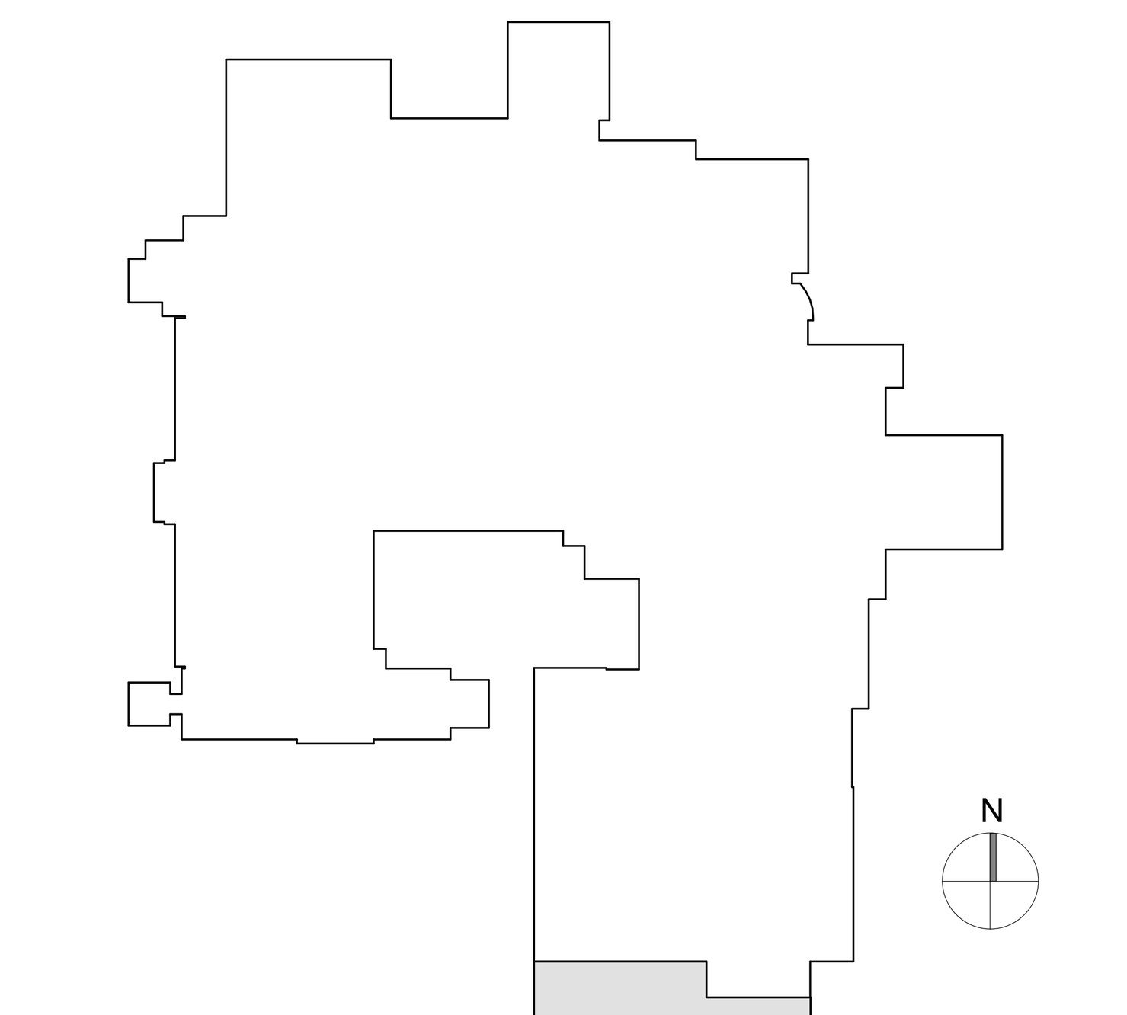
GRADE BEAM SCHEDULE

MARK	SIZE W x D	REINFORCING TOP	REINFORCING BOTTOM	REINFORCING STIRRUPS	REMARKS
GB-1	12" x 84"	(4) #8	(4) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS
GB-2	12" x 53"	(3) #8	(3) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS
GB-3	24" x 42"	(4) #8	(4) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS
GB-4	16" x 66"	(4) #8	(4) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS
GB-5	12" x 66"	(4) #8	(4) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS
GB-6	12" x 96"	(4) #8	(4) #8	#4 STIRRUPS @ 12" OC	ADDL #4 @ 12" OC HORIZ EA FACE, T&B BAR IN (2) LAYERS

SHEET LEGEND

- DENOTES STEP IN TOP OF CAST-IN-PLACE CONCRETE WALL
- DENOTES CHANGE IN SLAB THICKNESS OR PHASE OF PROJECT
- DENOTES STEP / RECESS IN CONCRETE SLAB
- DENOTES CONCRETE SLAB CONTROL JOINTS (CAST IN PLACE)
- TSx — DENOTES CONTINUOUS THICKENED SLAB FOOTING, SEE DETAILS
- SLOPE — DENOTES DIRECTION OF SLOPE IN CONCRETE SLAB
- DENOTES FLOOR DRAIN IN SLAB, SEE MECH DRAWINGS
- LBx SHT — DENOTES LATERAL BRACED FRAME, SEE LATERAL BRACE ELEVATIONS AND DETAILS ON SHEET SERIES S-401 OR S-402
- xxx — DENOTES COLUMN AND / OR PIER SIZE, SEE PIER SCHEDULE ON SHEET SERIES S-601
- Wx — DENOTES WALL TYPE, SEE WALL SCHEDULE ON SHEET SERIES S-601

KEYPLAN



CONSTRUCTION DOCUMENTS

#\ Revision Number Associated with Clouded Area:

Revisions:	Date
1 ADDENDUM #1	01/04/23

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REGISTERED PROFESSIONAL ENGINEER
MICHAEL D. ALBERTSON
PE-5261
DATE 11-16-21
NORTH DAKOTA

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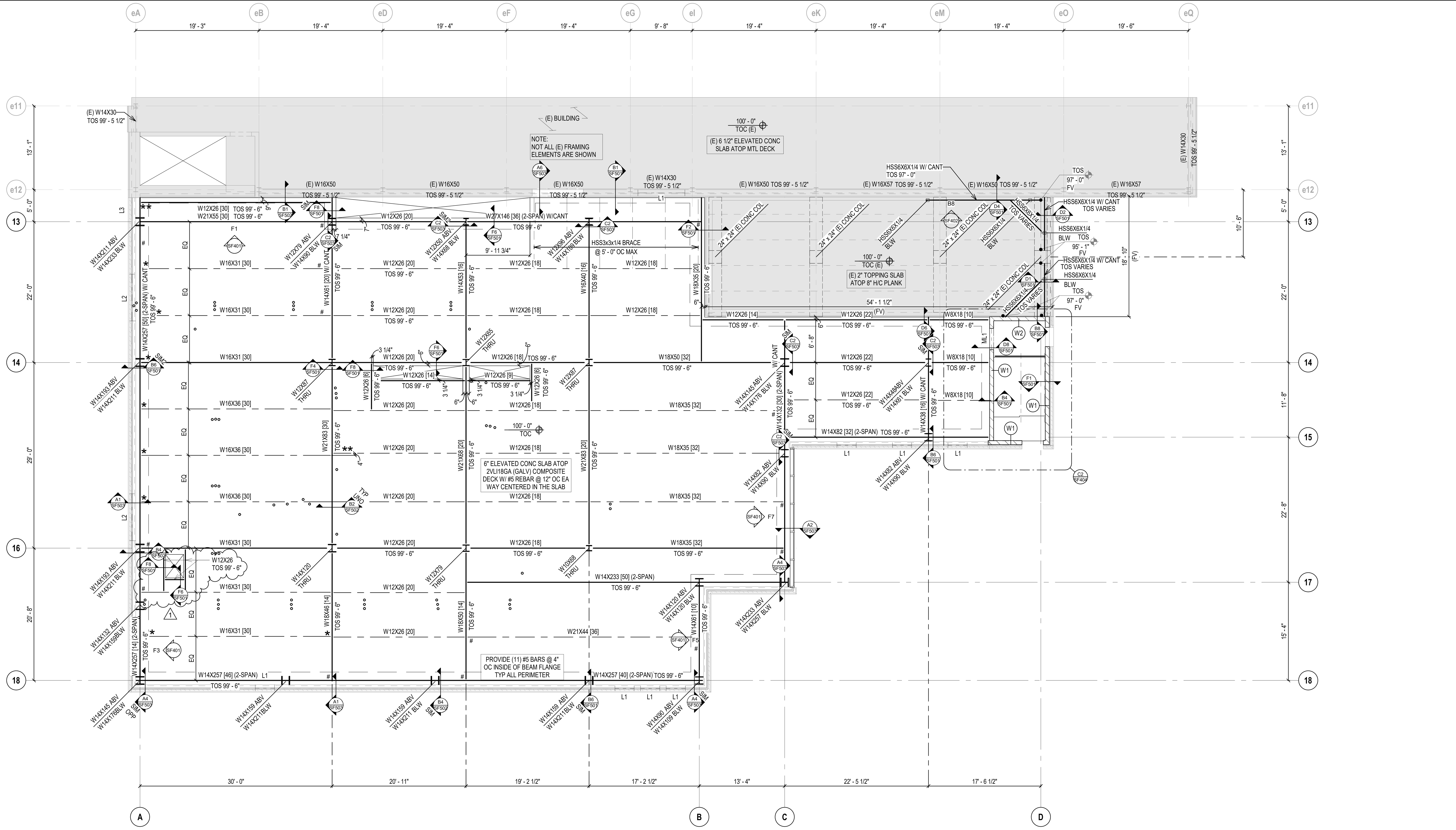
Drawing Title	Project Title	Project Number
FOUNDATION PLAN LEVEL B1	EXPAND BLDG. 1 FOR PRIMARY CARE	437-315
Approved: Project Director	Location	Building Number
FARGO VAHCS	2101 ELM STREET FARGO, ND 58102	1
Date	Checked / Drawn	Drawing Number
11/16/2021	AJH / MDR	SB101 Dwg. 65 of 128

Office of Construction and Facilities Management

Department of Veterans Affairs



FLOOR FRAMING PLAN - 1ST LEVEL

D1 SF101

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

SHEET NOTES

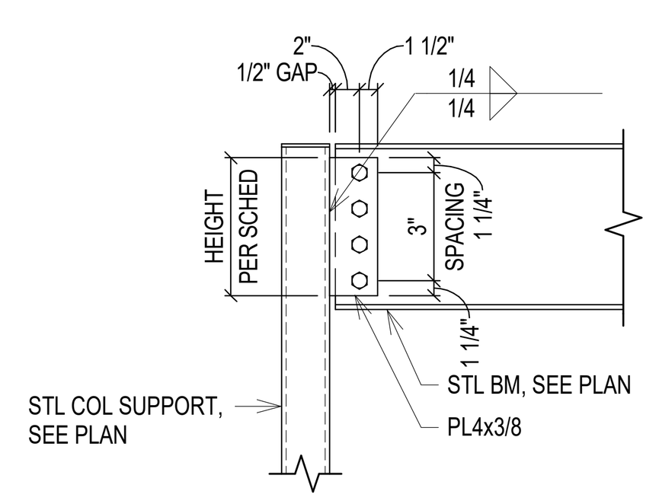
FLOOR FRAMING ELEVATION

- **TOP OF STEEL (TOS) ELEVATION = 99' - 6"**, UNLESS NOTED OR DETAILED OTHERWISE. ELEVATIONS ARE AT CENTERLINE OF COLUMN OR BEARING.

FLOOR FRAMING PLAN NOTES

- SEE SHEET SERIES S-001 FOR STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 88' - 0" (EXISTING FLOOR) = CIVIL ELEVATION 892.1'.
- SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATIONS IN FLOOR SLAB.
- ALL BEAM TO BEAM & BEAM TO W-COLUMN CONNECTIONS SHALL BE DOUBLE ANGLE CONNECTIONS. SEE DOUBLE ANGLE CONNECTION SCHEDULE ON SHEET SERIES S-601, UNLESS OTHERWISE NOTED OR DETAILED.
- ALL BEAM TO HSS COLUMN CONNECTIONS SHALL BE SHEAR TAB CONNECTIONS. SEE SHEAR TAB CONNECTION SCHEDULE ON SHEET SERIES S-601, UNLESS OTHERWISE NOTED OR DETAILED.
- COMPOSITE FORM DECKING SHALL BE 2VLI 18GA (GALV) METAL DECKING, UNLESS NOTED OR DETAILED OTHERWISE.
- COMPOSITE FORM DECKING SHALL BE ATTACHED TO SUPPORTING BEAMS W/ 3/4"Ø x4" AUTOMATIC WELDED STUDS, PROVIDE (2) #10 TEK SCREW SIDELAP FASTENERS PER SPAN IN FORM DECKING.
- PIPE PENETRATIONS THROUGH COMPOSITE FLOORS GREATER THAN 3" IN DIAMETER SHALL BE SLEEVED. MULTIPLE PENETRATIONS WITHIN THE SAME WALL SPACED CLOSER THAN 24" OC SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACING CONCRETE. SEE TYPICAL SECTIONS ON SHEET SERIES S-601 WHERE SPACING OF MULTIPLE PENETRATIONS IS CLOSER THAN 24" OC
- SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR OPENINGS IN FLOOR FRAMING. ALL OPENINGS LARGER THAN 12" SHALL BE ENCLOSED WITH EDGE FRAMING - SEE SHEET SERIES S-601.
- BEAMS SHALL BE EQUALLY SPACED BETWEEN SUPPORTING BAYS UNLESS OTHERWISE NOTED OR DIMENSIONED.
- MAINTAIN MINIMUM SLAB THICKNESS INDICATED AT ALL LOCATIONS UNLESS NOTED OTHERWISE. VERIFY DURING PLACEMENT OPERATIONS. MAXIMUM DIMENSION OF SLAB POURED AT ONE TIME TO BE 80' - 0". SLAB CONSTRUCTION JOINTS MUST BE ON CENTERLINE OF BEAMS. TYPICAL REINFORCING SHALL PASS THRU THE CONSTRUCTION JOINT.
- SEE SHEET S-602 FOR METAL STUD WALL REQUIREMENTS.

SCHEDULES



SHEAR TAB CONNECTION SCHEDULE

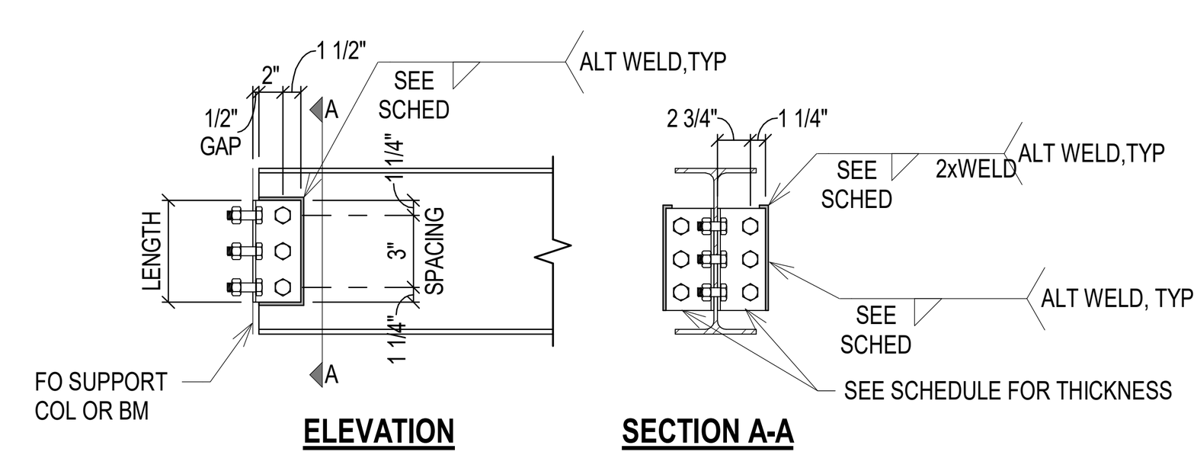
BEAM	HEIGHT	THICKNESS	3/4"Ø A325N BOLTS	WELD SIZE TO COL
W8	5 1/2"	3/8"	2	5/16" FILLET
W12 & 14	8 1/2"	3/8"	3	5/16" FILLET
W16	11 1/2"	3/8"	4	5/16" FILLET
W18	14 1/2"	3/8"	5	5/16" FILLET
W21	17 1/2"	3/8"	6	5/16" FILLET
W27	23 1/2"	3/8"	8	3/8" FILLET

DOUBLE ANGLE CONNECTION SCHEDULE

BEAM	3/4"Ø A325N BOLTS F1852	CONNECTION ANGLES		ALTERNATE WELD TO BM SIZE (SHOP WELD ONLY)
		LENGTH	THICKNESS	
W8	2	5 1/2"	5/16"	1/4" FILLET
W12 & 14	3	8 1/2"	3/8"	1/4" FILLET
W16	4	11 1/2"	3/8"	5/16" FILLET
W18	5	14 1/2"	3/8"	5/16" FILLET
W21	6	17 1/2"	3/8"	5/16" FILLET
W27	8	23 1/2"	3/8"	5/16" FILLET

ADDITIONAL REMARKS:

1. USE E70XX ELECTRODES.
2. SIZE & NUMBER OF BOLTS INTO SUPPORTING MEMBER TO BE TWICE THE NUMBER OF BOLTS INTO THE BEAM & OF THE SAME SIZE.
3. PROVIDE TEMPORARY SUPPORT AS REQUIRED TO INSTALL JOIST BEAMS ON EITHER SIDE OF GIRDER BEAMS.
4. * INDICATES A 9" LONG ALL WELDED DOUBLE ANGLE CONNECTION TO BE USED, BOLTS MAY BE USED FOR ERECTION.
5. ** INDICATES A 6" LONG ALL WELDED DOUBLE ANGLE CONNECTION TO BE USED, BOLTS MAY BE USED FOR ERECTION.
6. # INDICATES USING THE SMALLER BEAM DOUBLE ANGLE CONNECTION SIZE.



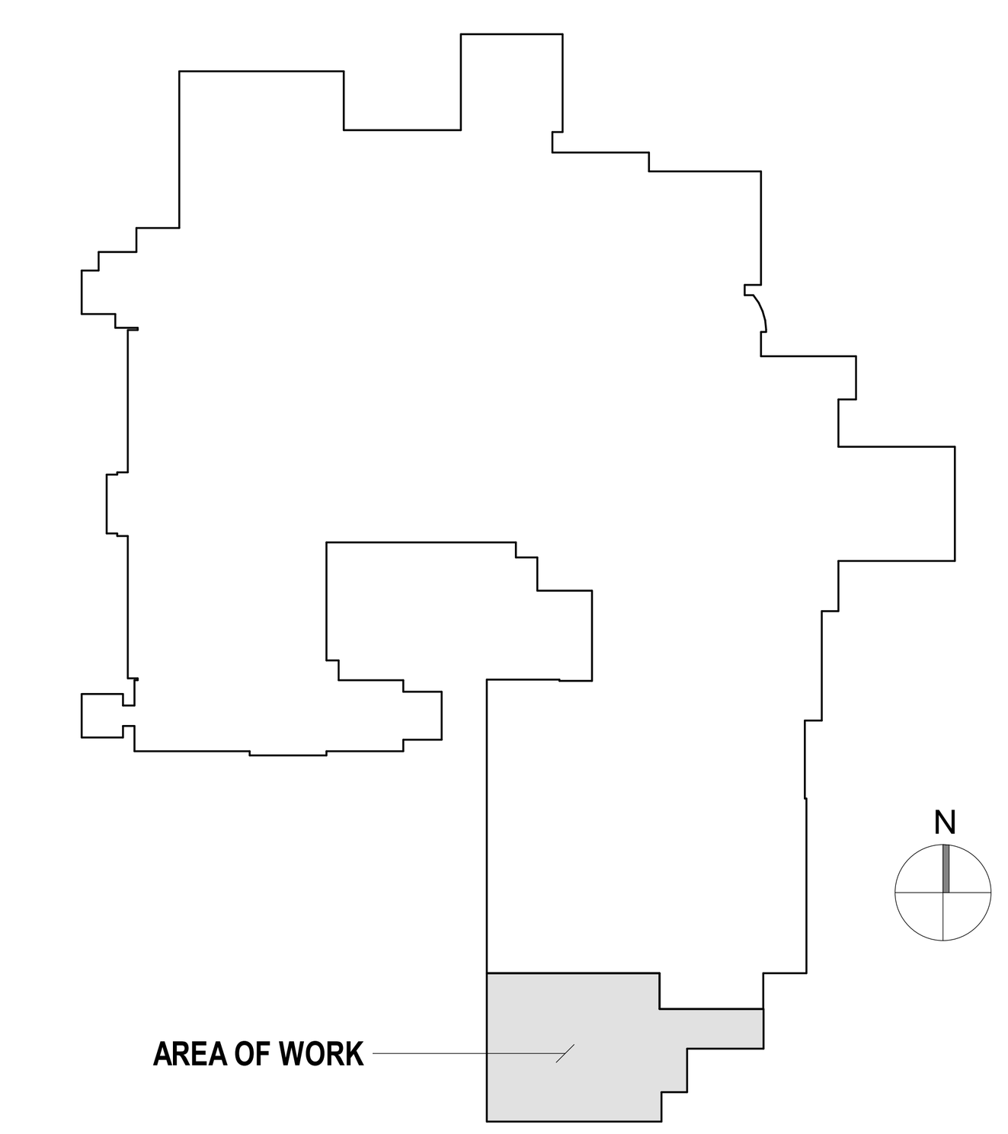
SHEET LEGEND

W10X12 [X] — DENOTES BEAM CALLOUT, [X] INDICATES NUMBER OF 3/4"Ø x 4" HSA SPACED EQUALLY OVER THE LENGTH OF THE BEAM BLW ELELVATED FLOOR SLAB, UNLESS NOTED OTHERWISE. HSA SPACING TO BE ADJUSTED WHERE GUSSET PLATE WELDS TO BEAM.

LBx (SHT) — DENOTES LATERAL BRACED FRAME, SEE LATERAL BRACE ELEVATIONS AND DETAILS ON SHEET SERIES S-401 OR S-402.

○ — DENOTES FLOOR DRAIN IN SLAB, SEE MECH DWGS.

KEYPLAN



CONSTRUCTION DOCUMENTS

#Revision Number Associated with Clouded Area:

1 ADDENDUM #1	01/04/23
Revisions:	Date

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REGISTERED PROFESSIONAL ENGINEER
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PE-5261
DATE 11-16-21
NORTH DAKOTA

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Drawing Title: FLOOR FRAMING PLAN LEVEL 01

Approved: Project Director: FARGO VAHCS

Project Title: EXPAND BLDG. 1 FOR PRIMARY CARE

Location: 2101 ELM STREET FARGO, ND 58102

Date: 11/16/2021 | Checked: AJH | Drawn: MDR

Project Number: 437-315

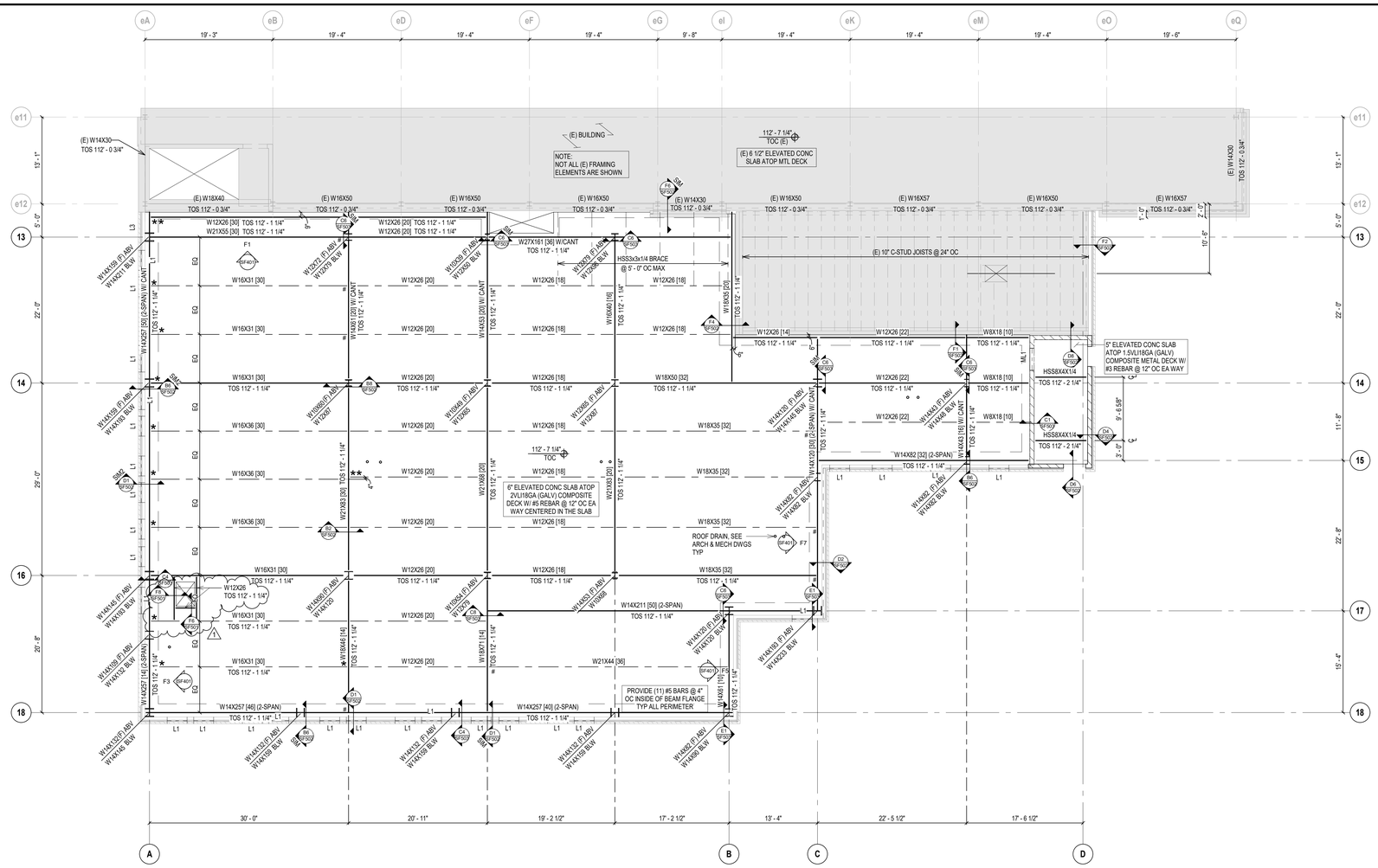
Building Number: 1

Drawing Number: SF101

Dwg. 68 of

Office of Construction and Facilities Management

Department of Veterans Affairs



D1 / SF102 ROOF/(FUTURE) FLOOR FRAMING PLAN - 2ND LEVEL

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

SHEET NOTES

FLOOR FRAMING ELEVATION

- **TOP OF STEEL (TOS) ELEVATION = 112' - 1 1/4"**, UNLESS NOTED OR DETAILED OTHERWISE. ELEVATIONS ARE AT CENTERLINE OF COLUMN OR BEARING.

ROOF FRAMING PLAN NOTES

- SECOND LEVEL ROOF DESIGNED AS FUTURE FLOOR WITH 100 PSF LIVE LOAD.
- SEE SHEET SERIES S-001 FOR STRUCTURAL NOTES.
- VERIFY ALL DIMENSIONS & ELEVATIONS WITH ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS BEFORE CONSTRUCTION COMMENCES.
- ELEVATIONS ON THE STRUCTURAL DRAWINGS REFER TO THE TOP OF CONCRETE REFERENCE ELEVATION SET AT 88' - 0" (EXISTING FLOOR) = CIVIL ELEVATION 892.1'.
- SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR SLOPES, DROPS, AND DRAIN LOCATIONS IN FLOOR SLAB.
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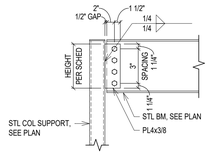
SCHEDULES



SHEAR TAB CONNECTION SCHEDULE

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		LENGTH	THICKNESS	
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W18	5	14 1/2"	3/8"	5/16" FILLET
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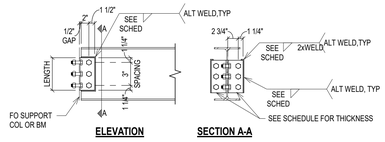

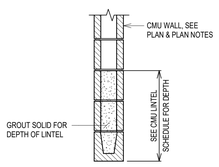

MASONRY LINTEL SCHEDULE

MARK	WALL TYPE	LINTEL SIZE AND REINF	BRG CELLS	FULL HT REINFORCED & GROUTED CELLS	REMARKS
ML1	8" CMU	32" BOND BEAM W/ (2) #5 HORIZ REBAR	(1)	#5 @ 24" OC WALL FULLY GROUTED	SEE LINTEL DIAGRAM L1

ADDITIONAL REMARKS:

1. PROVIDE 8" BOND BEAM W/ (2) #5 HORIZONTAL REBAR BELOW ALL CMU OPENINGS.

SHEET LEGEND

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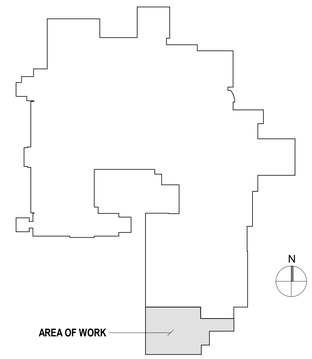
LBr SF7 — DENOTES LATERAL BRACED FRAME, SEE LATERAL BRACE ELEVATIONS AND DETAILS ON SHEET SERIES S-401 OR S-402.

DENOTES FLOOR DRAIN IN SLAB, SEE MECH DWGS.

KEYPLAN



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REGISTERED PROFESSIONAL ENGINEER — MICHAEL D. ALBERTSON — PE-5261 — DATE 11-16-21 — NORTH DAKOTA

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Drawing Title	ROOF/FUTURE FLOOR FRAMING PLAN LEVEL 02
Project Title	EXPAND BLDG. 1 FOR PRIMARY CARE
Project Number	437-315
Building Number	1
Approved: Project Director	FARGO VAHCS
Location	2101 ELM STREET FARGO, ND 58102
Drawing Number	SF102
Date	11/16/2021
Checked	AJH
Drawn	MDR
Dwg.	69 of 128

Office of Construction and Facilities Management

Department of Veterans Affairs

1/6/2023 10:04:36 AM

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