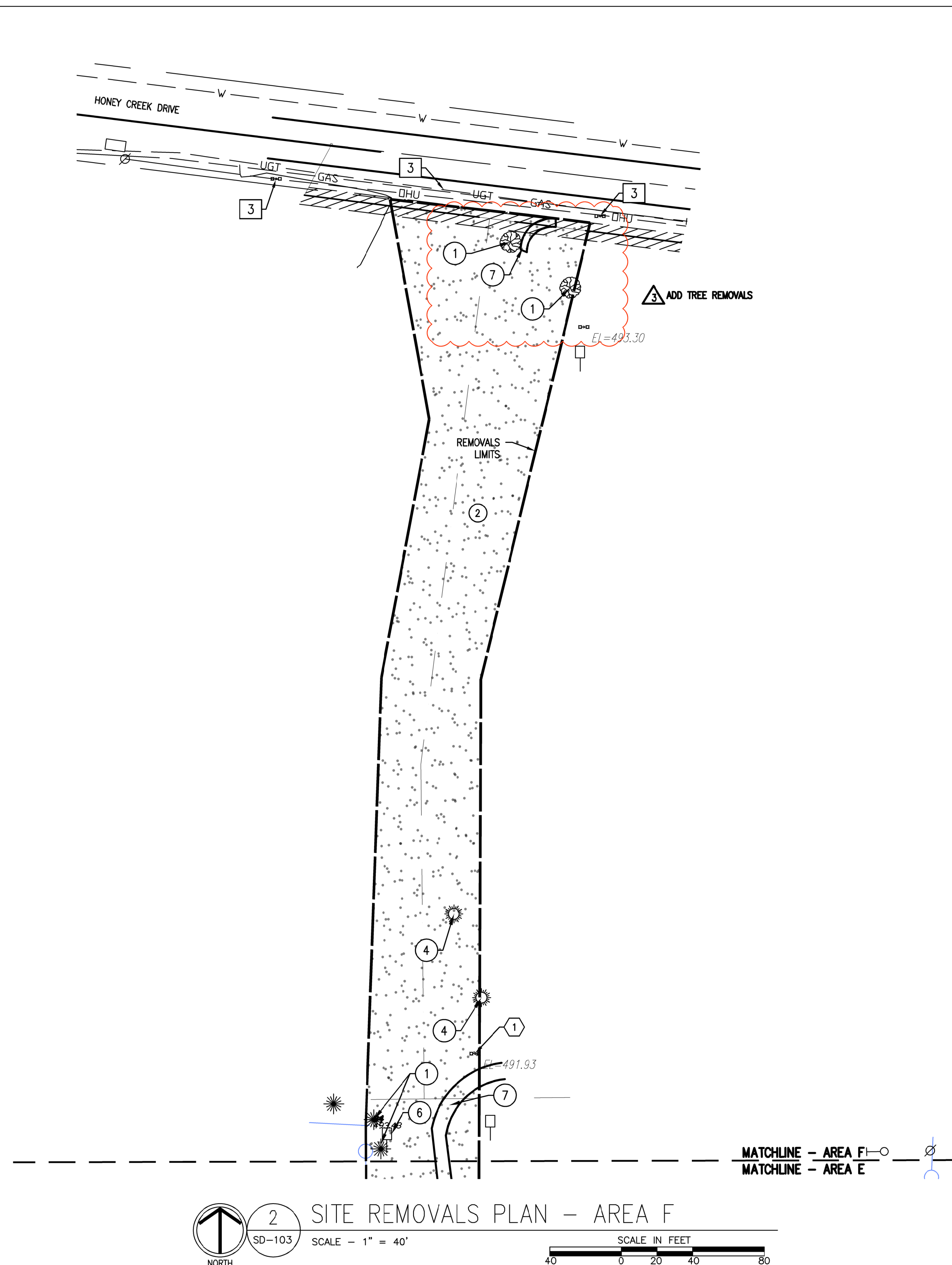
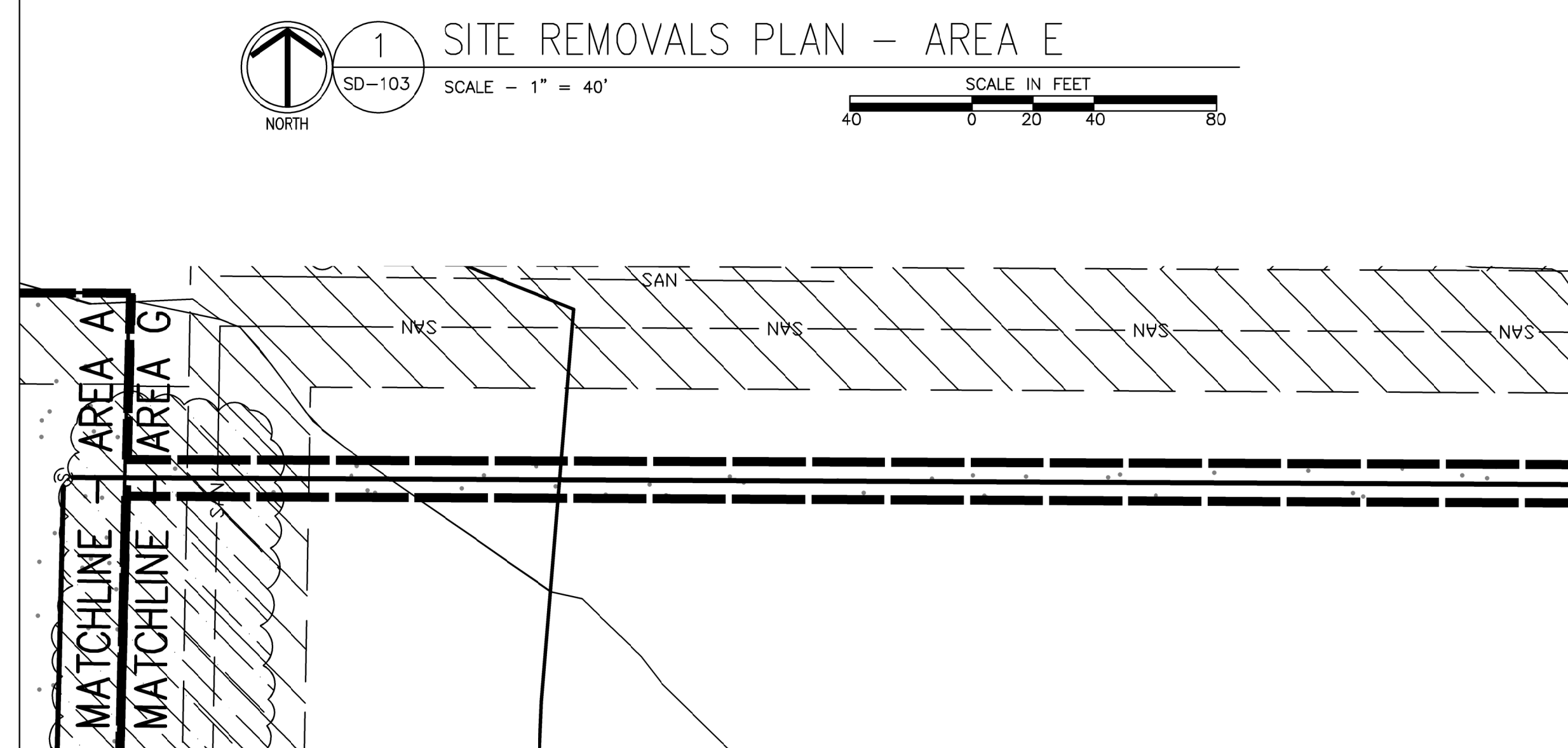
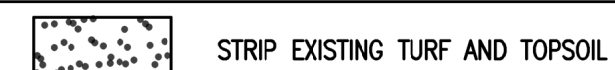




- 1 PROTECT EXISTING TREE TO REMAIN.
- 2 PROTECT EXISTING FENCE TO REMAIN.
- 3 PROTECT EXISTING OVERHEAD UTILITY ELECTRIC LINES/UTILITY POLES. EXISTING TO REMAIN.
- 4 PROTECT EXISTING UNDERGROUND UTILITY. EXISTING TO REMAIN.

- ☐☐ DRIVING RANGE LIGHTING POLE WITH ONE (1), TWO (2), OR THREE (3) AREA FLOOD LIGHTS ON.
- ⊗ ELECTRICAL UTILITY POLE

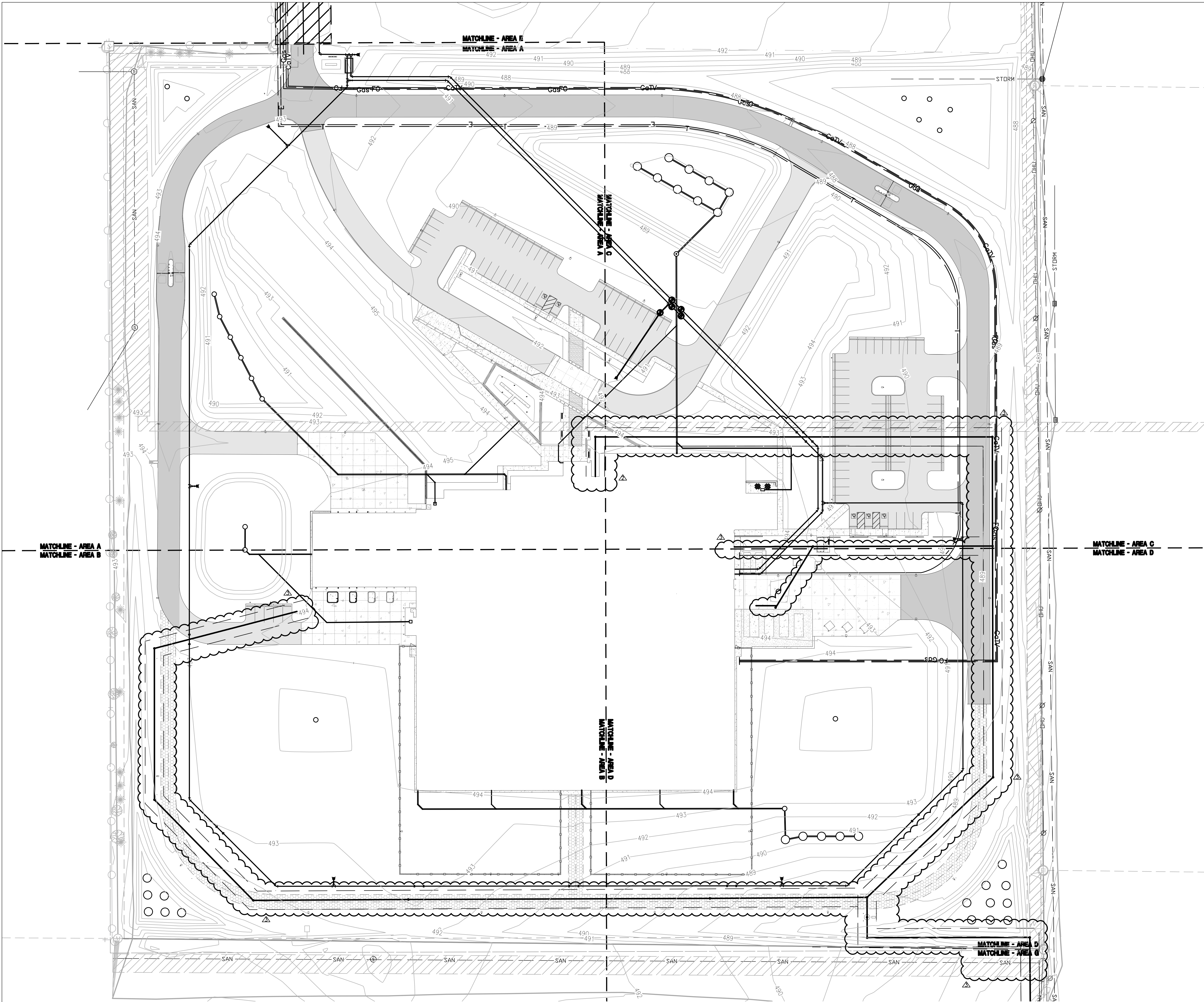
- ① REMOVE EXISTING TREE, COMPLETE.
- ② STRIP EXISTING TURF AND TOPSOIL, STOCKPILE AND SALVAGE TOPSOIL FOR REUSE. DISPOSE OF EXCESS TOPSOIL.
- ③ REMOVE TREES WITHIN REMOVALS LIMITS THIS AREA, COMPLETE.
- ④ EXISTING SPRINKLER TO BE REMOVED WITH ALL ASSOCIATED PIPING AND CONNECTIONS, COMPLETE.
- ⑤ EXISTING WATER VALVE TO BE REMOVED WITH ALL ASSOCIATED PIPING AND CONNECTIONS, COMPLETE.
- ⑥ REMOVE EXISTING SIGN, COMPLETE.
- ⑦ REMOVE EXISTING ASPHALT PATH, COMPLETE.



PROTECTION KEY

- 1 PROTECT EXISTING TREE TO REMAIN.
- 2 PROTECT EXISTING FENCE TO REMAIN.
- 3 PROTECT EXISTING OVERHEAD UTILITY ELECTRIC LINES/UTILITY POLES. EXISTING TO REMAIN.
- 4 PROTECT EXISTING UNDERGROUND UTILITY. EXISTING TO REMAIN.

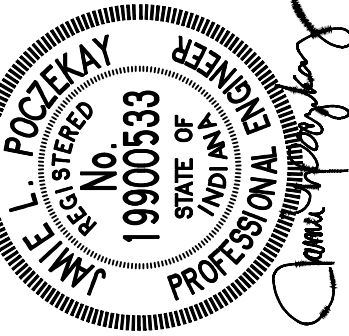
DRAWING NUMBER	A NEW	DRAWN:	JTF	CHECKED:	CSH	NO.	REVISION	DATE
		DESIGNED:	JPH		JPH	3	Addendum #03	09/25/19
		APPROVED:			JPH			
		DATE:	SEPTEMBER 5, 2019					
		PROJECT NUMBER						
		1663-1190-90						



1 OVERALL SITE UTILITY PLAN
SD-401 SCALE - 1" = 40'
SCALE IN FEET
40 0 20 40 80

GENERAL NOTES

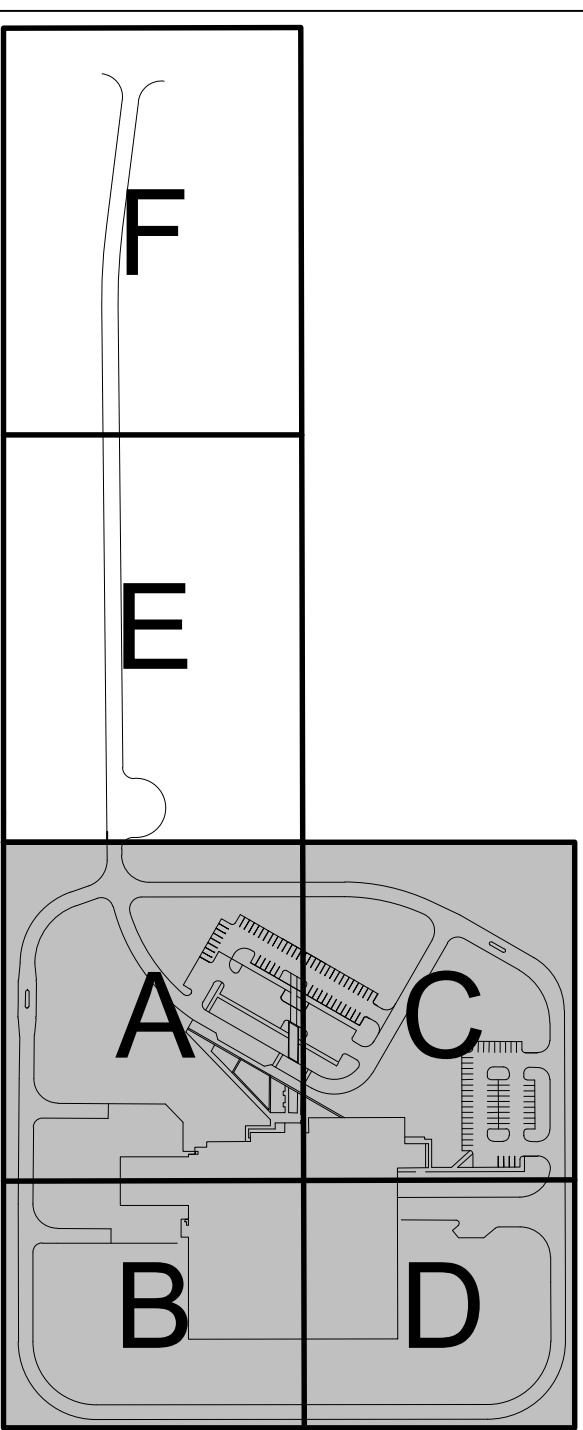
1. UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE. FIELD VERIFY UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTION AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND HAVE THE UTILITY LOCATED AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
2. CONSTRUCTION LIMITS SHOWN ARE APPROXIMATE. ADJUSTMENTS TO THE LIMITS INCIDENTAL TO CONSTRUCTION ACTIVITIES MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR SHALL FIELD MARK ANY PROPOSED CHANGES TO THE CONSTRUCTION LIMITS FOR ENGINEER APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL APPROPRIATE JURISDICTION REGARDING R.O.W WORK AND UTILITY COMPANIES.
4. ALL WATER MAIN PIPING SHALL HAVE A MINIMUM COVER OF 60". MAINTAIN ELEVATION ON PIPE BETWEEN VALVES AND FITTINGS.
5. CONTRACTOR TO COORDINATE EXISTING WATER MAIN CONNECTION WITH UTILITY. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN ELEVATION AND LOCATION.
6. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS HAVE FINISHED, EXCEPT IN THE AREA OF THE TRENCHING BOX. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND TRENCHING BOX AREA FOR PUBLIC SAFETY.
7. ALL BURIED WATER MAIN GREATER THAN OR EQUAL TO 4" DIAMETER SHALL BE SUPPORTED WITH CONCRETE THRUST BLOCKING AND RESTRAINED JOINTS AT ALL JOINTS, BENDS, TEES, CROSSES AND VALVES.
8. IF VALVE IS GREATER THAN 10 FEET BELOW FINAL GRADE, CONTRACTOR SHALL SUPPLY EXTENDED VALVE BOX AND VALVE ROD.
9. COORDINATE GAS METER WITH UTILITY.
10. WATER MAIN PIPING SHALL MAINTAIN AT LEAST 10 FEET HORIZONTAL AND 18 INCHES VERTICAL SEPARATION FROM ALL OTHER UTILITIES.



DRAWN: JNJ	CHK'D: JLP	NO. 3	REVISION	DATE 9/26/19
DESIGNED: JLP	APPROVED: JLP	ADDENDUM NO. 3		
DATE: SEPTEMBER 5, 2019	PROJECT NUMBER 1663-1190-90			



KEYPLAN



A NEW VIGO COUNTY SECURITY CENTER

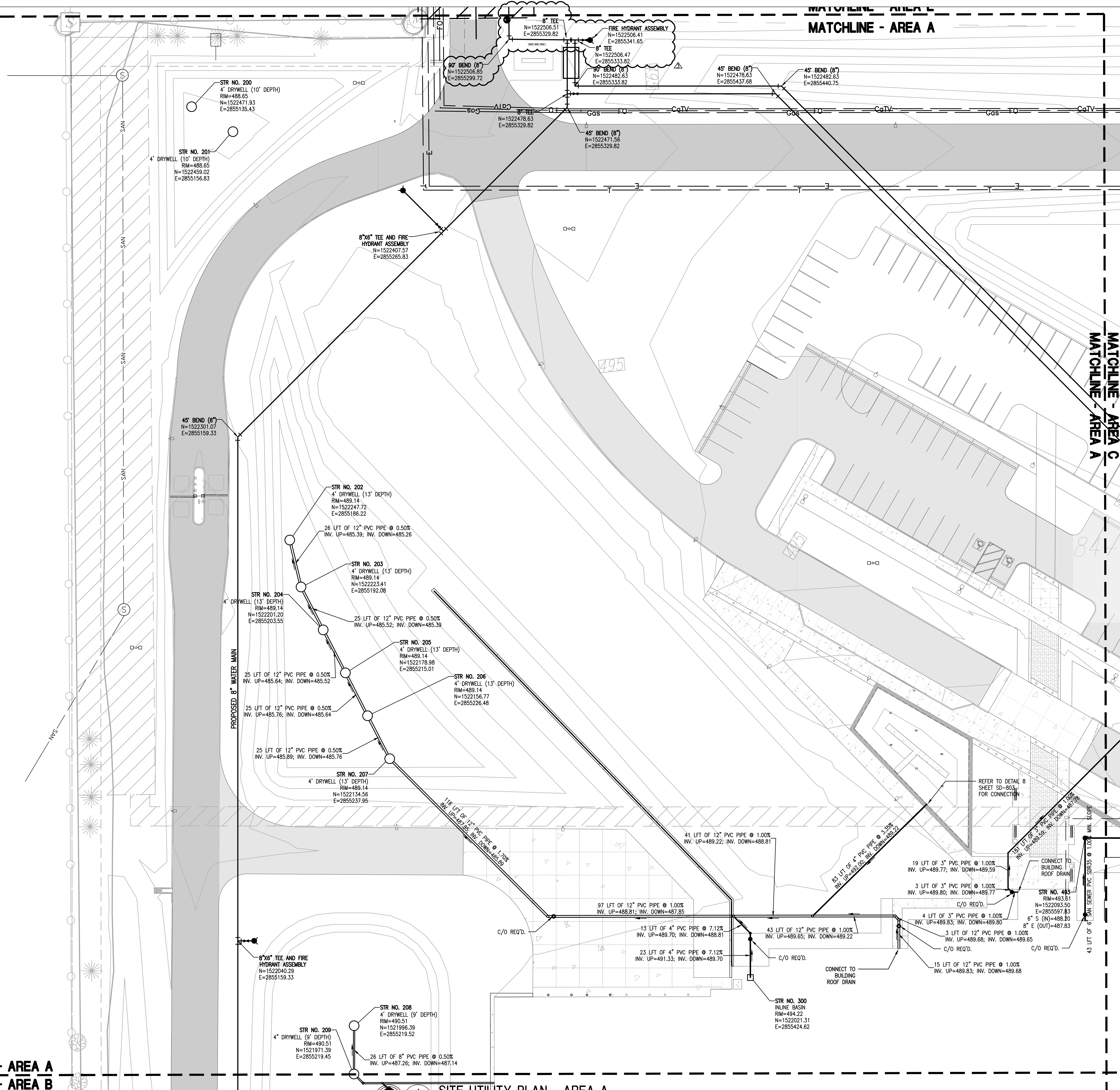
TERRE HAUTE, INDIANA

OVERALL SITE UTILITY PLAN

DRAWING NUMBER

SD-401

SITE DEVELOPMENT



- GENERAL NOTES**
- UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE. FIELD VERIFY UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTION AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND HAVE THE UTILITY LOCATED AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
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 - WATER MAIN PIPING SHALL MAINTAIN AT LEAST 10 FEET HORIZONTAL AND 18 INCHES VERTICAL SEPARATION FROM ALL OTHER UTILITIES.

INDIANA 811
Know what's below.
Call before you dig.



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Know what's below.
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SURVEYING • CONSTRUCTION SERVICES

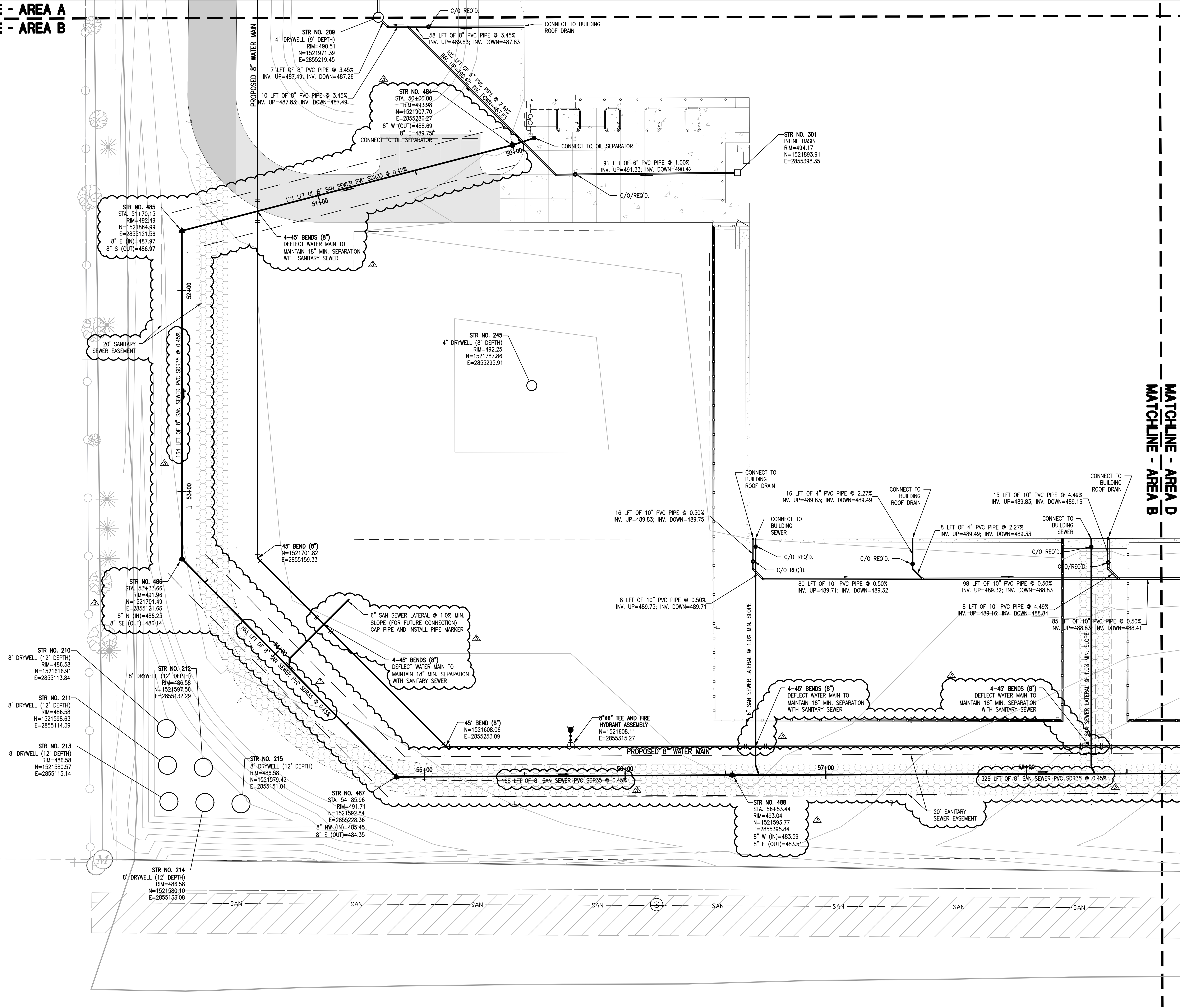
DATE: 9/28/19
REVISION: 3
ADDENDUM NO. 3

DRAWN: JNJ
DESIGNED: JLP
APPROVED: JLP
DATE: SEPTEMBER 5, 2019
PROJECT NUMBER: 1663-1190-90

VIGO COUNTY SECURITY CENTER
TERRE HAUTE, INDIANA
SITE UTILITY PLAN - AREA A

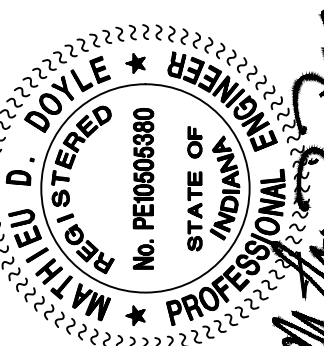
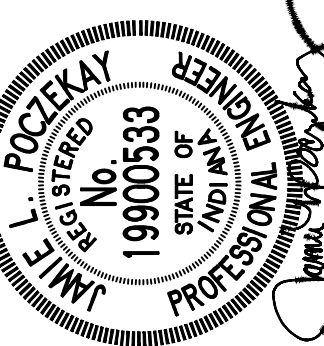
DRAWING NUMBER: SD-401-A
SITE DEVELOPMENT

MATCHLINE - AREA A
MATCHLINE - AREA B



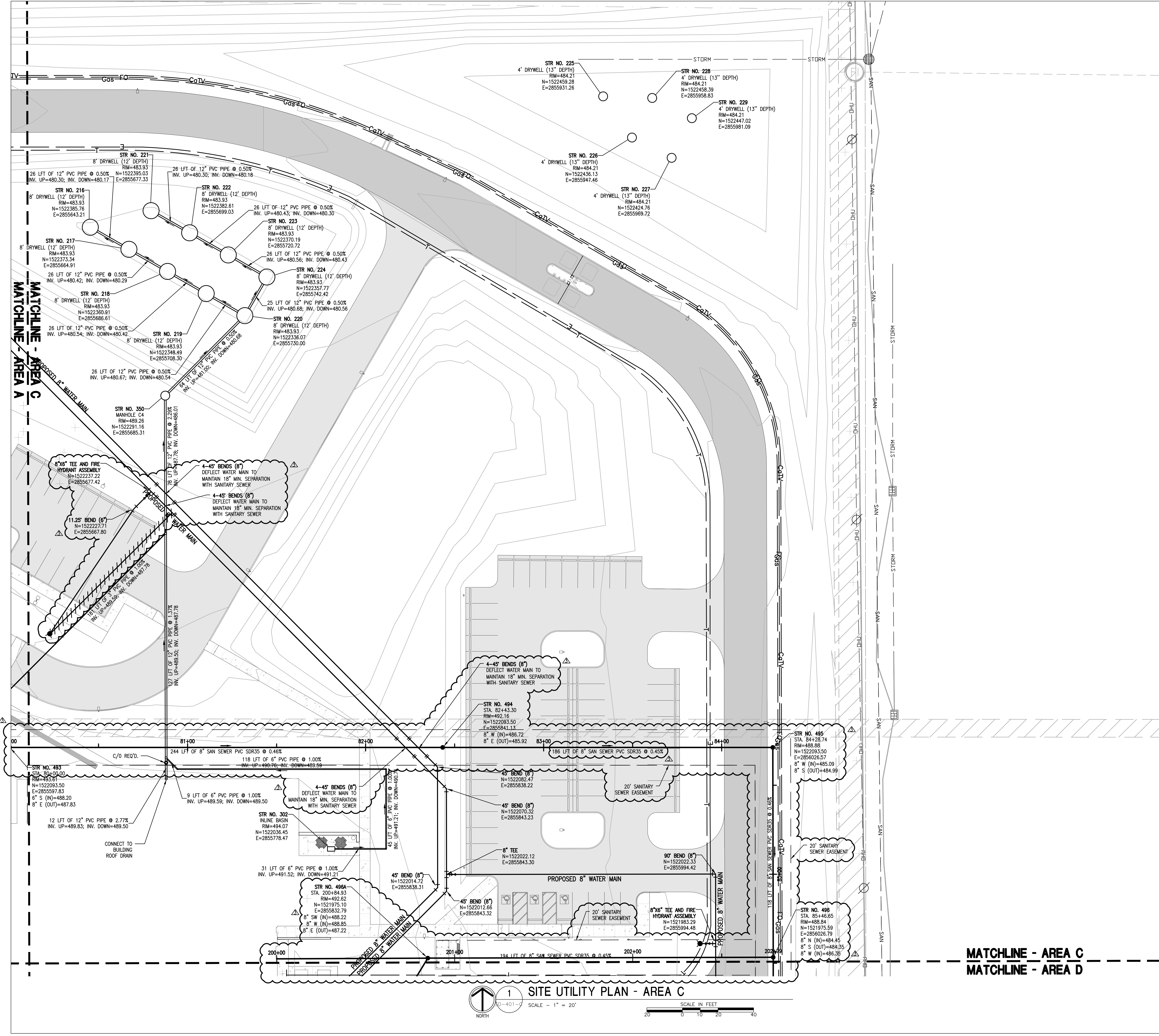
GENERAL NOTES

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MATCHLINE - AREA D
MATCHLINE - AREA B

- STR NO. 210
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4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 333
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 334
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 335
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 336
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 337
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 338
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 339
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 340
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 341
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 342
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 343
4" DRYWELL (8' DEPTH)
RIM=492.25
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- STR NO. 344
4" DRYWELL (8' DEPTH)
RIM=492.25
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- STR NO. 345
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 346
4" DRYWELL (8' DEPTH)
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E=2855295.91
- STR NO. 347
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 348
4" DRYWELL (8' DEPTH)
RIM=492.25
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- STR NO. 349
4" DRYWELL (8' DEPTH)
RIM=492.25
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E=2855295.91
- STR NO. 350
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E=2855295.91
- STR NO. 351
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 352
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 353
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 354
4" DRYWELL (8' DEPTH)
RIM=492.25
N=1521787.86
E=2855295.91
- STR NO. 355



- GENERAL NOTES**
1. UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE. FIELD VERIFY UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTION AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND HAVE THE UTILITY LOCATED AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
 2. CONSTRUCTION LIMITS SHOWN ARE APPROXIMATE. ADJUSTMENTS TO THE LIMITS INCIDENTAL TO CONSTRUCTION ACTIVITIES MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR SHALL FIELD MARK ANY PROPOSED CHANGES TO THE CONSTRUCTION LIMITS FOR ENGINEER APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL APPROPRIATE JURISDICTION REGARDING R.O.W WORK AND UTILITY COMPANIES.
 4. ALL WATER MAIN PIPING SHALL HAVE A MINIMUM COVER OF 60". MAINTAIN ELEVATION ON PIPE BETWEEN VALVES AND FITTINGS.
 5. CONTRACTOR TO COORDINATE EXISTING WATER MAIN CONNECTION WITH UTILITY. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN ELEVATION AND LOCATION.
 6. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS HAVE FINISHED, EXCEPT IN THE AREA OF THE TRENCHING BOX. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND TRENCHING BOX AREA FOR PUBLIC SAFETY.
 7. ALL BURIED WATER MAIN GREATER THAN OR EQUAL TO 4" DIAMETER SHALL BE SUPPORTED WITH CONCRETE THRUST BLOCKING AND RESTRAINED JOINTS AT ALL JOINTS, BENDS, TEES, CROSSES AND VALVES.
 8. IF VALVE IS GREATER THAN 10 FEET BELOW FINAL GRADE, CONTRACTOR SHALL SUPPLY EXTENDED VALVE BOX AND VALVE ROD.
 9. COORDINATE GAS METER WITH UTILITY.
 10. WATER MAIN PIPING SHALL MAINTAIN AT LEAST 10 FEET HORIZONTAL AND 18 INCHES VERTICAL SEPARATION FROM ALL OTHER UTILITIES.



DRAWN:	JNJ	CHK'D:	JLP	NO.:	1	REVISION:	ADDENDUM NO. 3	DATE:	9/28/19
DESIGNED:	JLP	APPR'D:	JLP	NO.:	1	REVISION:	ADDENDUM NO. 3	DATE:	9/28/19
DATE:	SEPTEMBER 5, 2019	PROJECT NUMBER:	1663-1190-90						



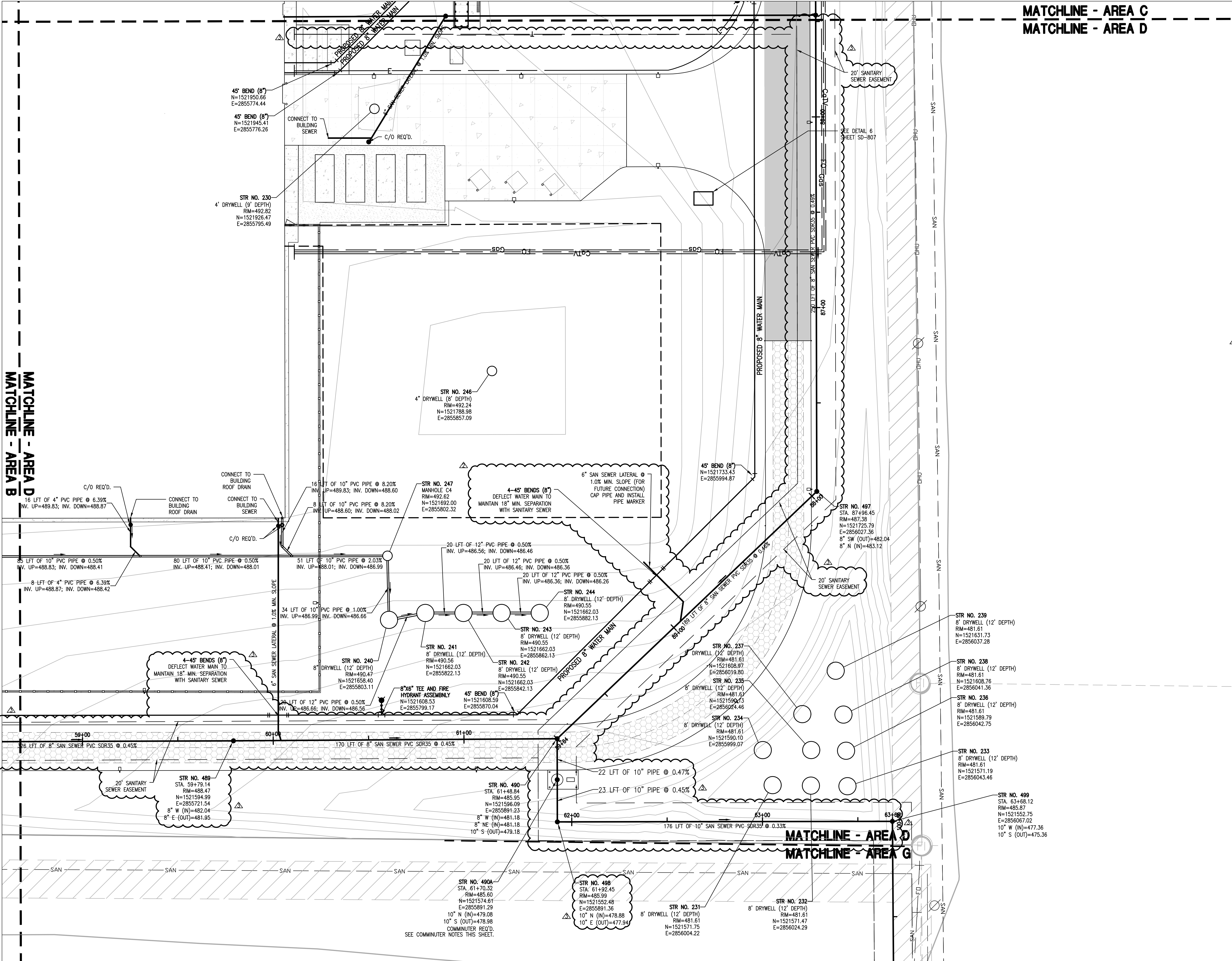
KEYPLAN

NORTH

VIGO COUNTY SECURITY CENTER
A NEW
TERRE HAUTE, INDIANA

SITE UTILITY PLAN - AREA C

DRAWING NUMBER: SD-401-C
SITE DEVELOPMENT



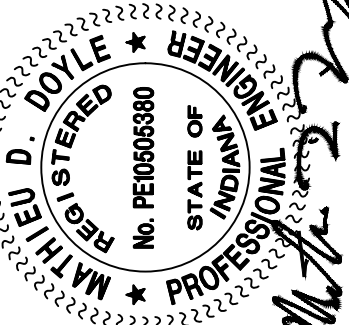
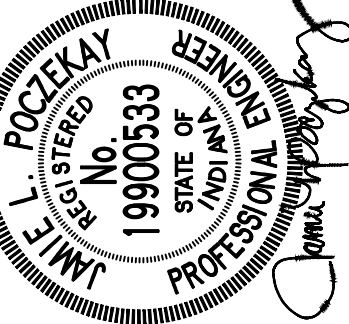
MATCHLINE - AREA C
MATCHLINE - AREA D

GENERAL NOTES

- 1. UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE. FIELD VERIFY UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTION AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND HAVE THE UTILITY LOCATED AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
- 2. CONSTRUCTION LIMITS SHOWN ARE APPROXIMATE. ADJUSTMENTS TO THE LIMITS INCIDENTAL TO CONSTRUCTION ACTIVITIES MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR SHALL FIELD MARK ANY PROPOSED CHANGES TO THE CONSTRUCTION LIMITS FOR ENGINEER APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
- 3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL APPROPRIATE JURISDICTION REGARDING R.O.W WORK AND UTILITY COMPANIES.
- 4. ALL WATER MAIN PIPING SHALL HAVE A MINIMUM COVER OF 60". MAINTAIN ELEVATION ON PIPE BETWEEN VALVES AND FITTINGS.
- 5. CONTRACTOR TO COORDINATE EXISTING WATER MAIN CONNECTION WITH UTILITY. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN ELEVATION AND LOCATION.
- 6. NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS HAVE FINISHED, EXCEPT IN THE AREA OF THE TRENCHING BOX. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND TRENCHING BOX AREA FOR PUBLIC SAFETY.
- 7. ALL BURIED WATER MAIN GREATER THAN OR EQUAL TO 4" DIAMETER SHALL BE SUPPORTED WITH CONCRETE THRUST BLOCKING AND RESTRAINED JOINTS AT ALL JOINTS, BENDS, TEES, CROSSES AND VALVES.
- 8. IF VALVE IS GREATER THAN 10 FEET BELOW FINAL GRADE, CONTRACTOR SHALL SUPPLY EXTENDED VALVE BOX AND VALVE ROD.
- 9. COORDINATE GAS METER WITH UTILITY.
- 10. WATER MAIN PIPING SHALL MAINTAIN AT LEAST 10 FEET HORIZONTAL AND 18 INCHES VERTICAL SEPARATION FROM ALL OTHER UTILITIES.

COMMUNUTER NOTES

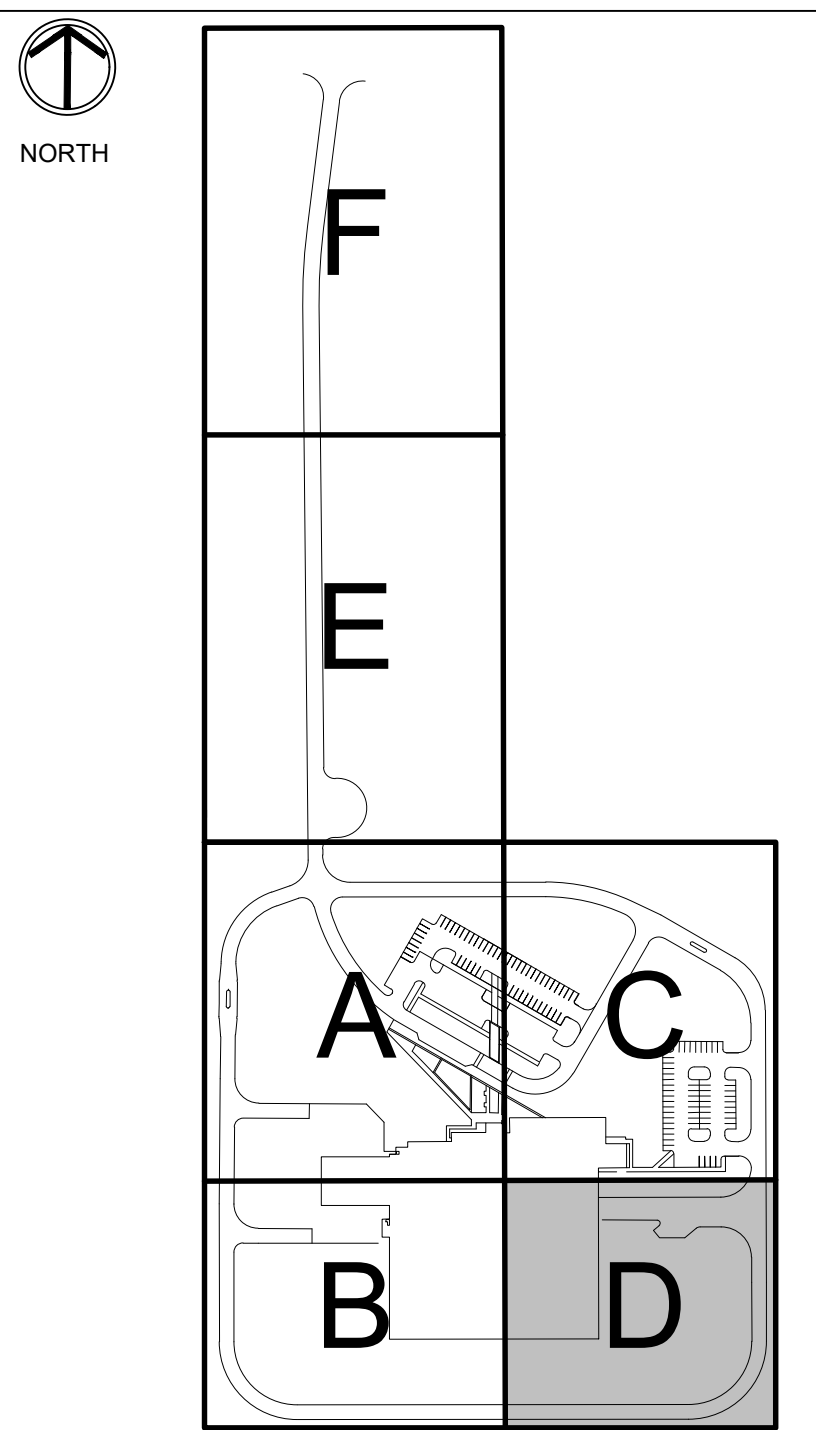
- 1. REFER TO SPECIFICATION SECTION 333245 FOR COMMUNUTER SPECIFICATIONS.
- 2. INSTALL 8"x8"x2" BASE SLAB REINFORCED W/#5@12" EACH WAY TOP AND BOTTOM.
- 3. REFER TO ELECTRICAL DRAWINGS FOR CONNECTION DETAILS.
- 4. PROVIDE A SPARE COMMUNUTER UNIT (TO BE PLACED IN STORAGE), EQUAL TO COMMUNUTER SPECIFIED IN PREFABRICATED MANHOLE.

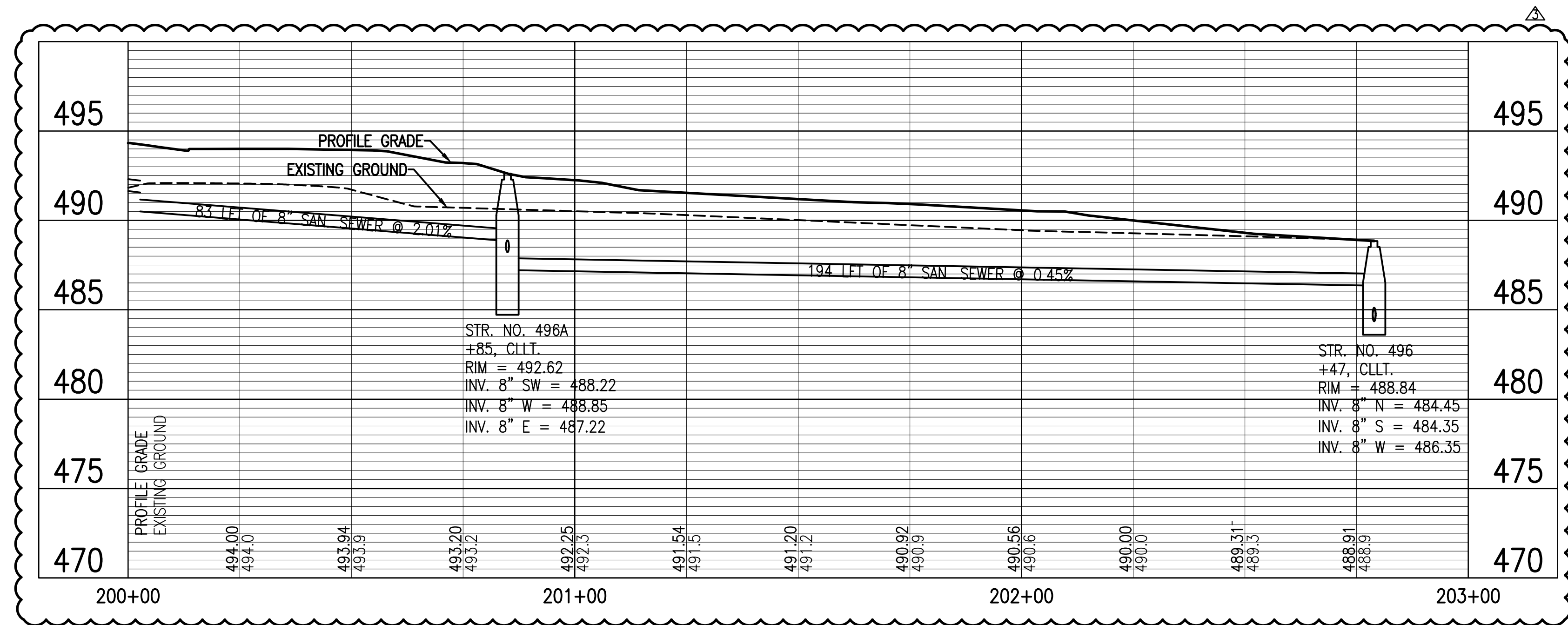
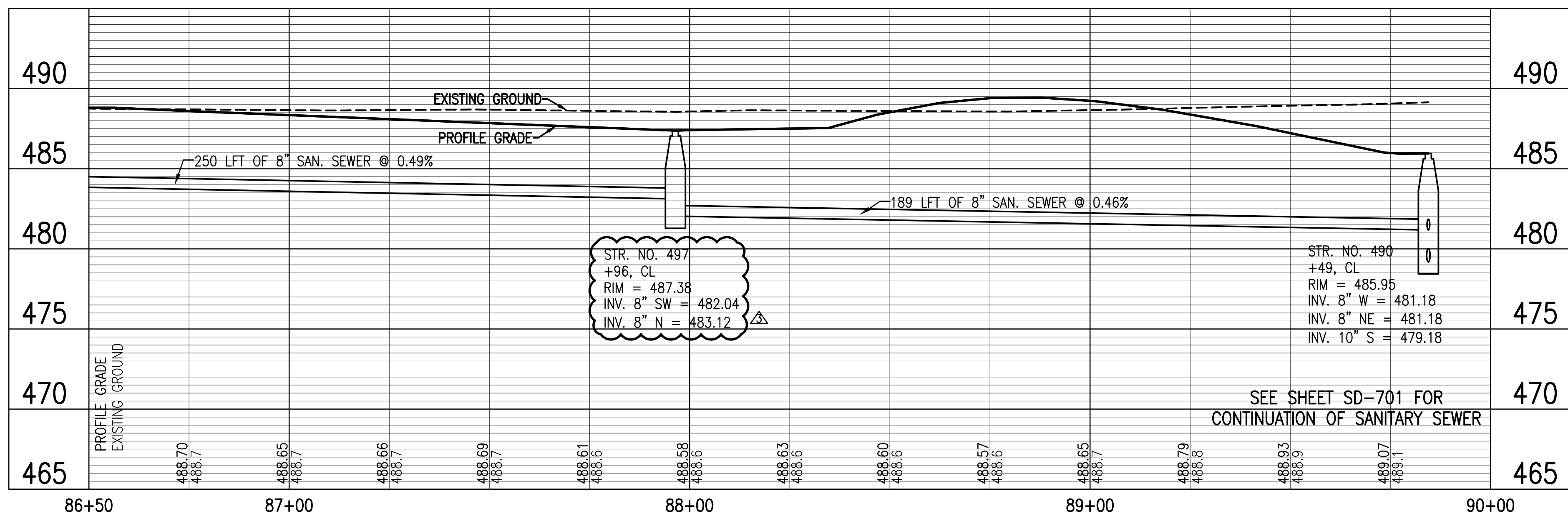
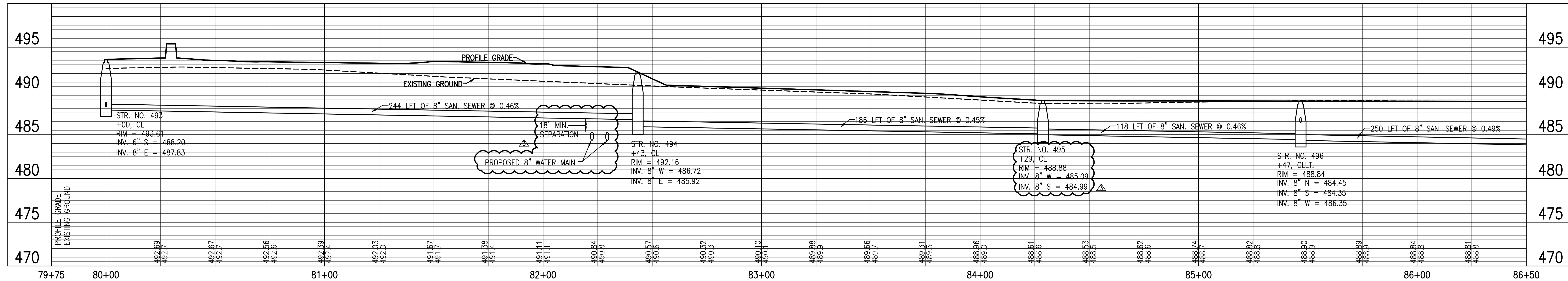
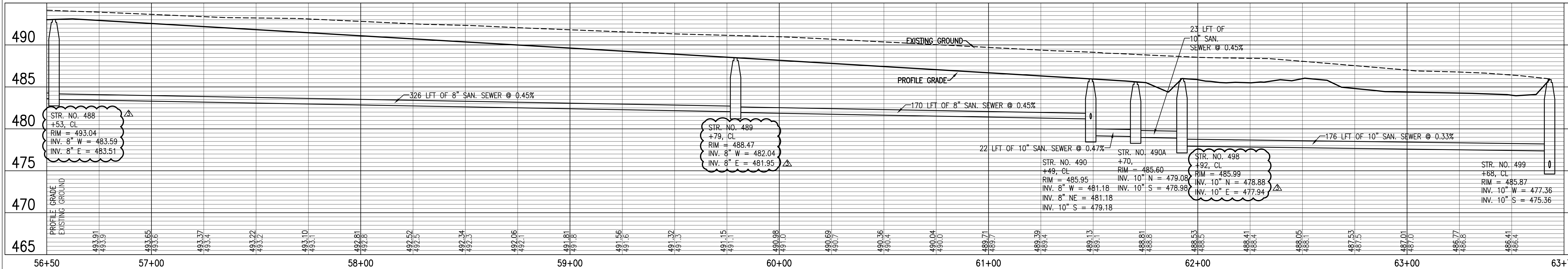
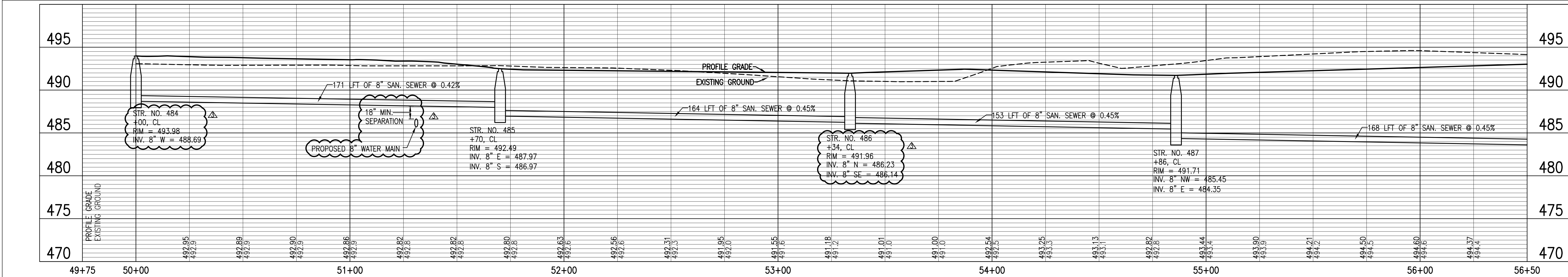


DATE	9/26/19
REVISION	NO. 3
ADDENDUM	NO. 3
NO.	1
KRD	JLP
CHKD	JLP
DESIGNED	JLP
APPRD	JLP
DATE	SEPTEMBER 5, 2019
PROJECT NUMBER	1663-1190-90



KEYPLAN

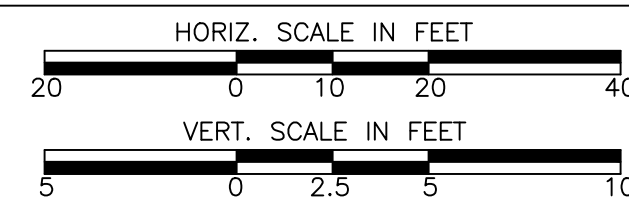


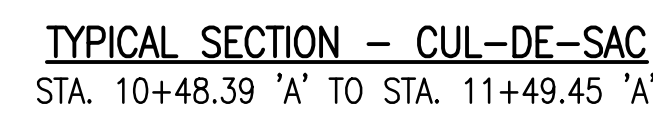


1
SD-402

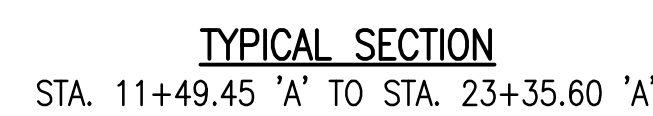
ON-SITE SANITARY SEWER PROFILES

HORIZ. SCALE - 1" = 20'
VERT. SCALE - 1" = 5'



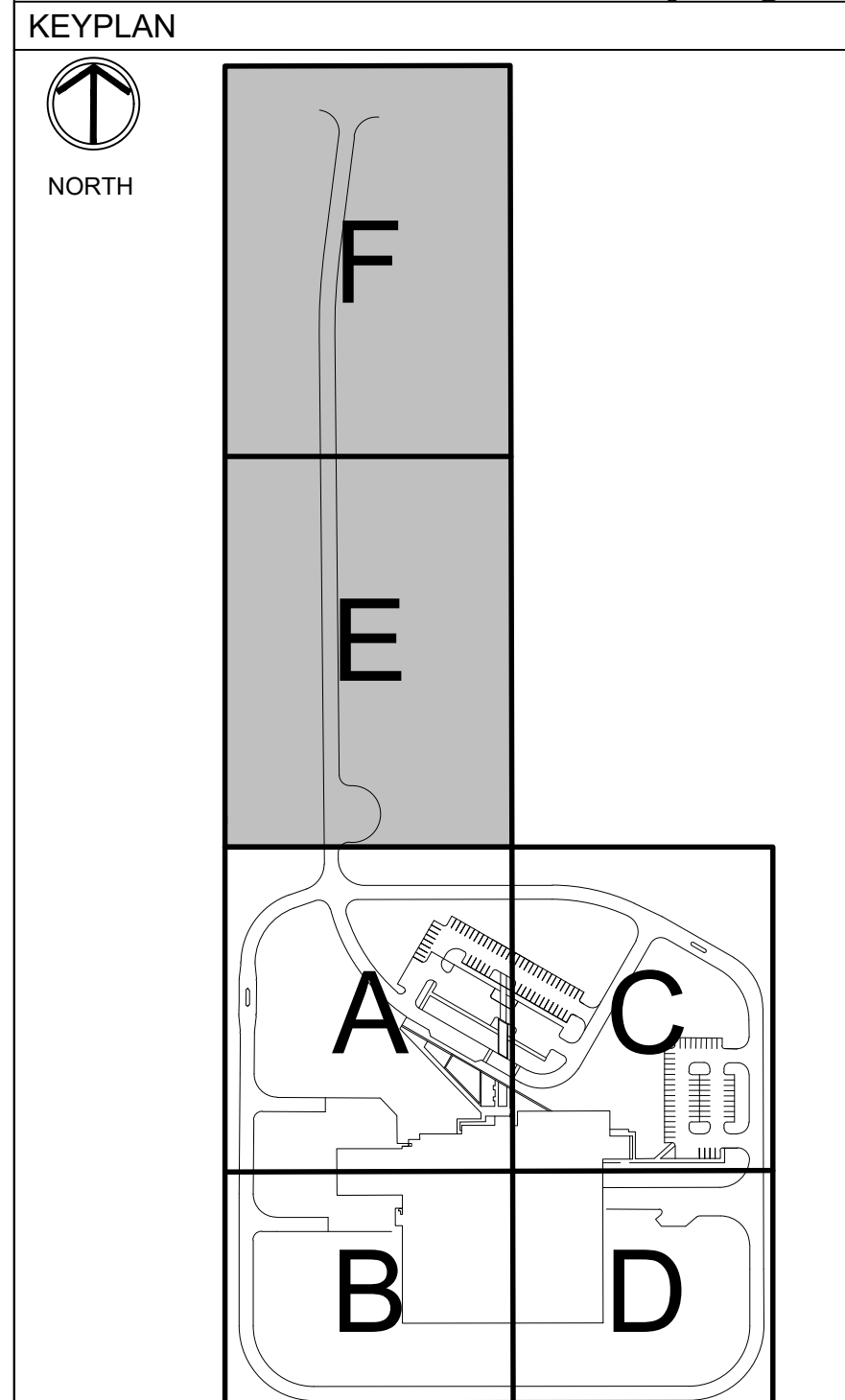


* SLOPE TO CENTER OF CUL-DE-SAC



- LEGEND**
- (15) COMBINED CONCRETE CURB AND GUTTER
- (B) 165# / SYD HMA, SURFACE, ON
495# / SYD HMA, INTERMEDIATE, ON
6" COMPACTED AGGREGATE, NO. 53, BASE, ON
SUBGRADE TREATMENT TO BE:
10" OF SUBGRADE SCARIFIED AND COMPACTED

DRAWN: TH		PDF	NO.	REVISION	DATE
DESIGNED:		MOD	ADDENDUM NO. 3		9/26/19
APPROVED:		MOD			
DATE: SEPTEMBER 5, 2019					
PROJECT NUMBER					
1663-1190-90					

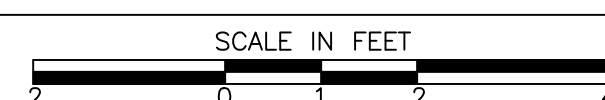


A NEW
VIGO COUNTY SECURITY CENTER
TERRE HAUTE, INDIANA

TYPICAL SECTIONS

DRAWING NUMBER	SD-600	SITE DEVELOPMENT
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1 TYPICAL SECTIONS
SD-600 SCALE - 1" = 2'

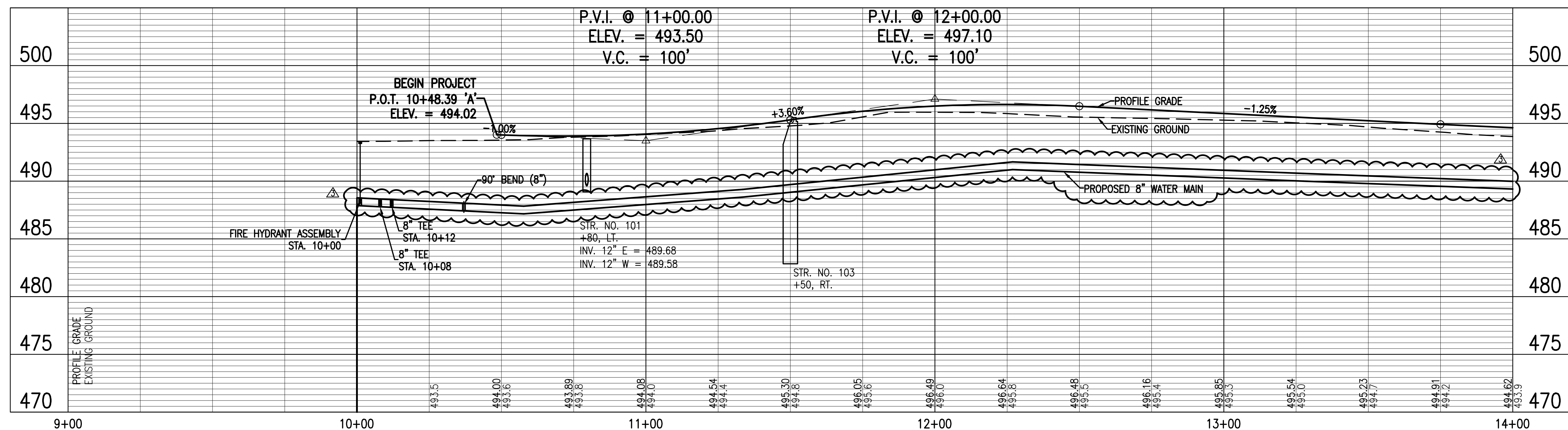
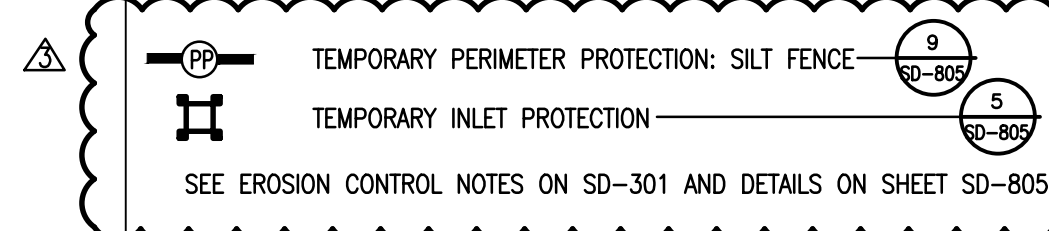


WATER UTILITY INSTALLATION NOTES

1. INSTALLATION OF WATER MAIN, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, SIZE AND MATERIAL OF THE EXISTING WATER MAIN PRIOR TO CONSTRUCTION.
3. FOR 600 PSI PIPE INSTALLATION: 6014 PIPE IS REQUIRED. DEFLECTION OF PIPE JOINTS AND BENDING OF PIPES ARE NOT PERMITTED. ALL ANGLES SHALL BE MADE WITH PROPER FITTINGS, WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, ALL JOINTS SHALL BE RESTRAINED WITH EXTERNAL ANCHORED RESTRAINT HARNESSES. SELECT FILL MATERIAL RECOMMENDED FOR BEDDING AND EMBEDEDMENT REGARDLESS OF PIPE'S PROXIMITY TO PAVEMENT.
4. FOR DUCTILE IRON PIPE INSTALLATION: THICKNESS CLASS 52 FOR TYPICAL DISTRIBUTION MAINS 12-INCH NOMINAL SIZE AND SMALLER, WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL, STAINLESS STEEL LOCKING SEGMENTS ARE REQUIRED. FOR PIPE-TO-PIPE CONNECTIONS 12-INCH NOMINAL SIZE AND SMALLER ONLY, PIPE-TO-PIPE CONNECTIONS GREATER THAN 12-INCH NOMINAL SIZE SHALL BE RESTRAINED PER SPECIFICATION SECTION 15105.
5. ENCASE ALL DUCTILE IRON PIPING, DUCTILE IRON FITTINGS, VALVES, HYDRANTS, AND ALL OTHER METALLIC APPURTENANCES IN 12MIL POLYETHYLENE.
6. ALL FIRE HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE.
7. ALL M/F T-BOLTS AND FLANGE BOLTS SHALL HAVE XLYAN OR FLUOROKOTE #1 CORROSION RESISTANT COATING.
8. ALL FITTINGS SHALL BE RESTRAINED USING M/J RETAINER GLANDS OR POURED CONCRETE THRU TRACER WELLS.
9. COPPER-CUAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM OF 10-FOOT SPACES SHALL BE ENCASED IN WATERPROOF CONNECTIONS. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
10. SELECT FILL MATERIAL REQUIRED FOR FILL BACKFILL WHEN WITHIN 5'-FEET OF PAVEMENT PER SPECIFICATION SECTION 02210.
11. MAINTAIN THE REQUIRED 10'-0" OF HORIZONTAL SEPARATION AND 18-INCHES OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS. MAINTAIN 8'-0" OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 K-8 3.2-2 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
12. MAINTAIN MINIMUM COVER DEPTH OF 6'-0" AND A MAXIMUM OF 6'-0"+2'-4"

LEGEND

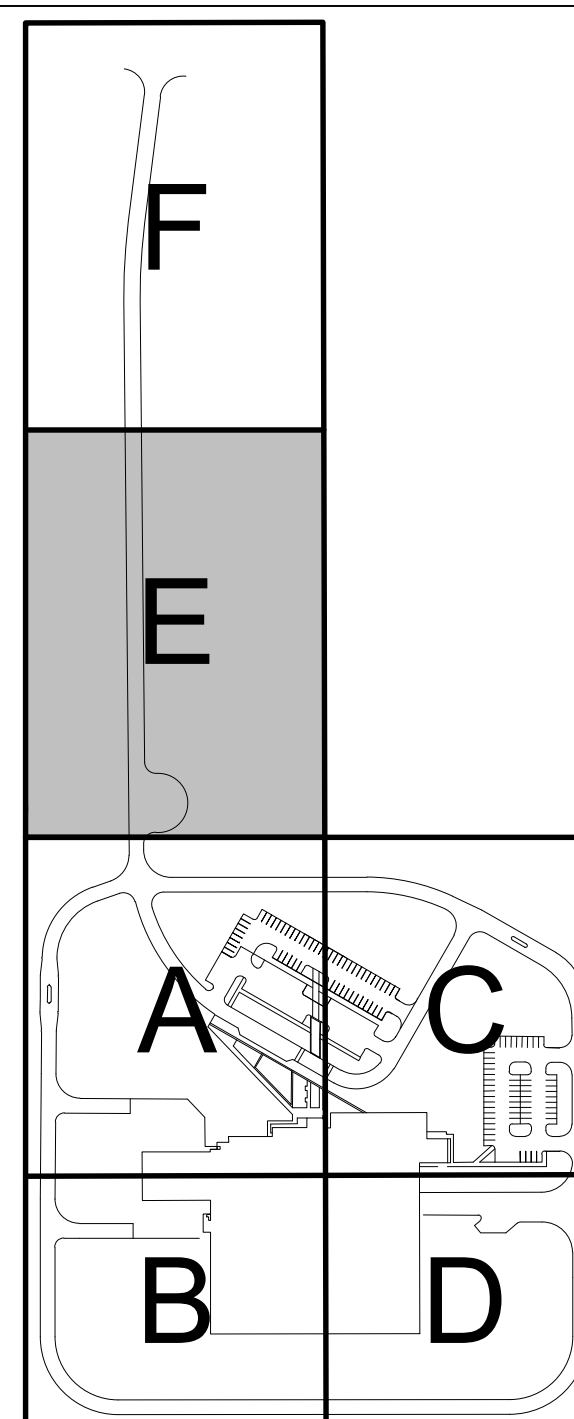
- (15) COMBINED CONCRETE CURB AND GUTTER
(B) 165#/SYD HMA, SURFACE, ON
495#/SYD HMA, INTERMEDIATE, ON
6" COMPACTED AGGREGATE, NO. 53, BASE, ON
SUBGRADE TREATMENT TO BE:
10" OF SUBGRADE SCARIFIED AND COMPACTED



KEYPLAN



NORTH



A NEW
VIGO COUNTY SECURITY CENTER

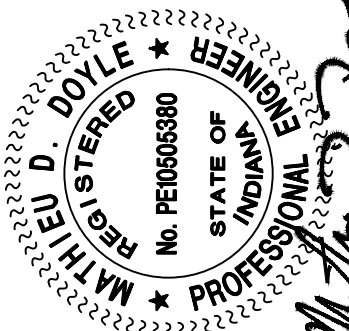
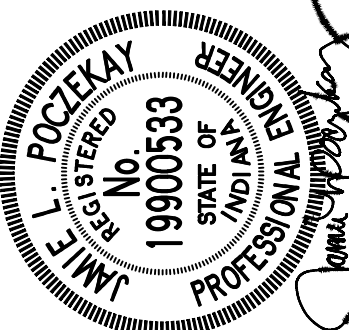
TERRE HAUTE, INDIANA

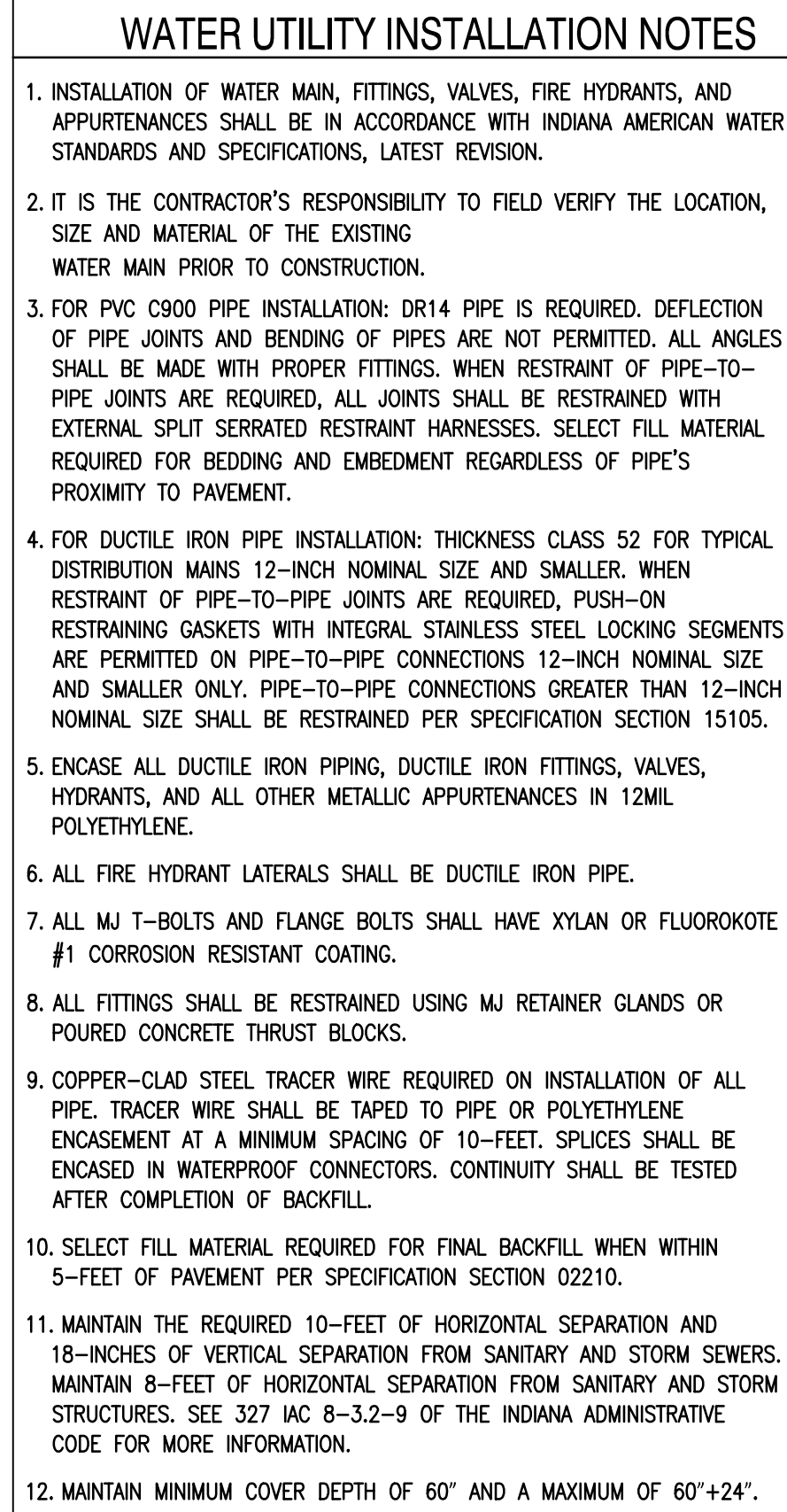
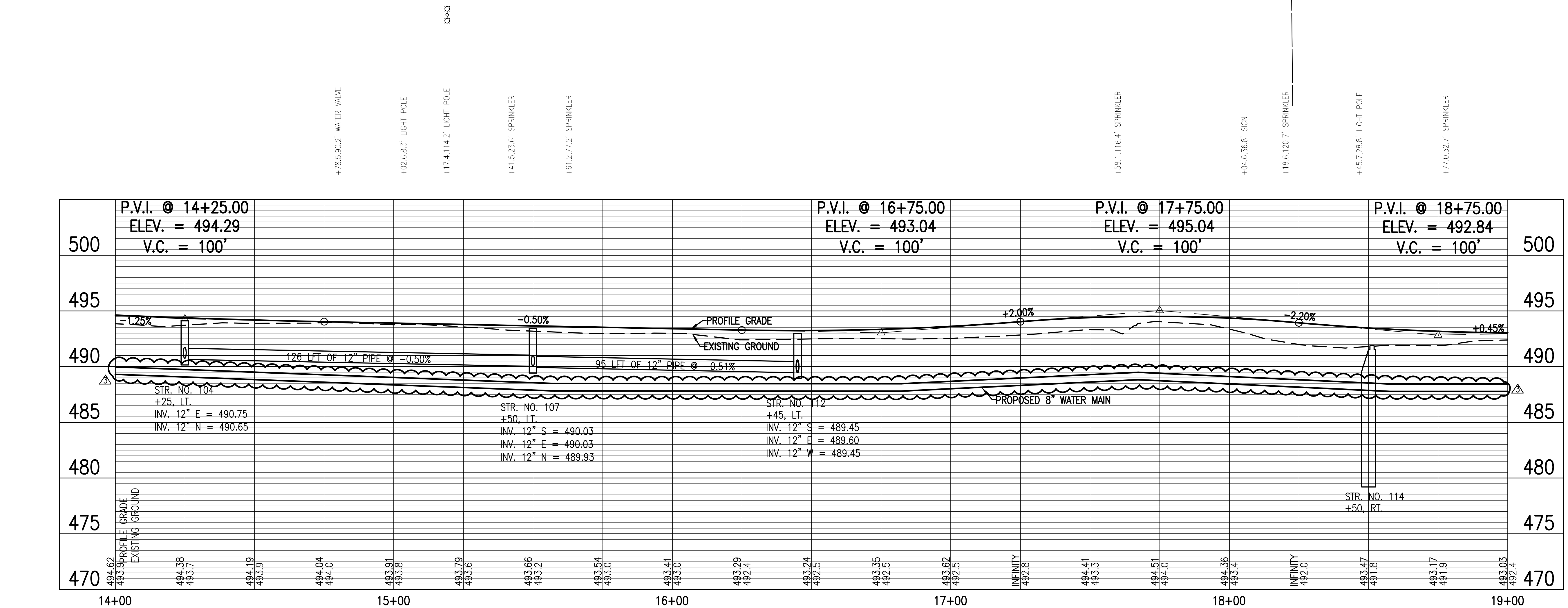
PLAN AND PROFILE

DRAWING NUMBER

SD-601

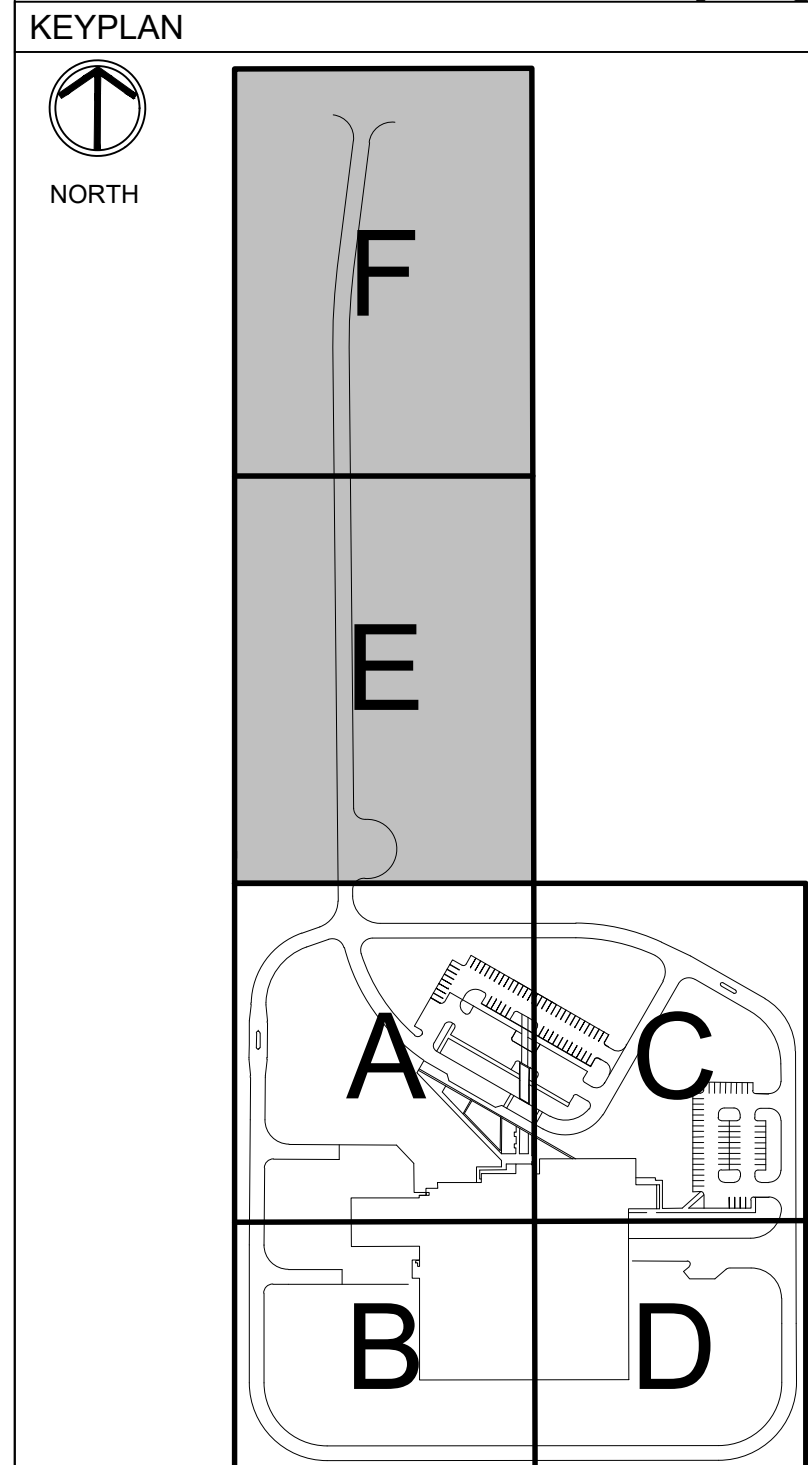
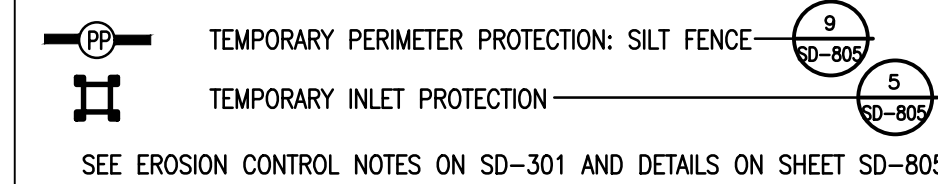
SITE DEVELOPMENT



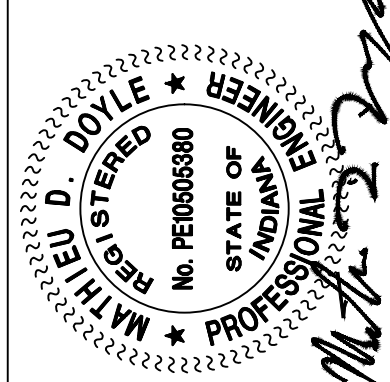
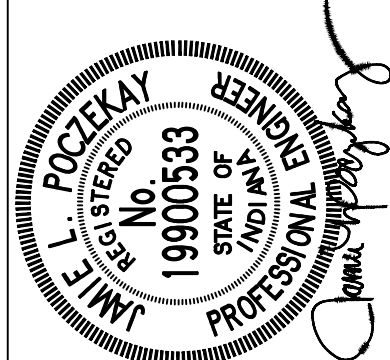


LEGEND

(15) COMBINED CONCRETE CURB AND GUTTER
(B) 165# /SYD HMA, SURFACE, ON
495# /SYD HMA, INTERMEDIATE, ON
6" COMPACTED AGGREGATE, NO. 53, BASE, ON
SUBGRADE TREATMENT TO BE:
10" OF SUBGRADE SCARIFIED AND COMPACTED



DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC



DATE	REVISION	NO.	PDF	TH	CHKD:
9/12/19	ADENDUM NO. 1	ADD			
9/26/19	ADENDUM NO. 3	ADD			
DATE: SEPTEMBER 5, 2019 PROJECT NUMBER					
1663-1190-90					

VIGO COUNTY SECURITY CENTER
A NEW
TERRE HAUTE, INDIANA

PLAN AND PROFILE

DRAWING NUMBER	SD-602	SITE DEVELOPMENT
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19+00

+323,140.4 WATER VALVE
+323,127.4 LIGHT POLE

20+00

+14,146.5 SPRINKLER

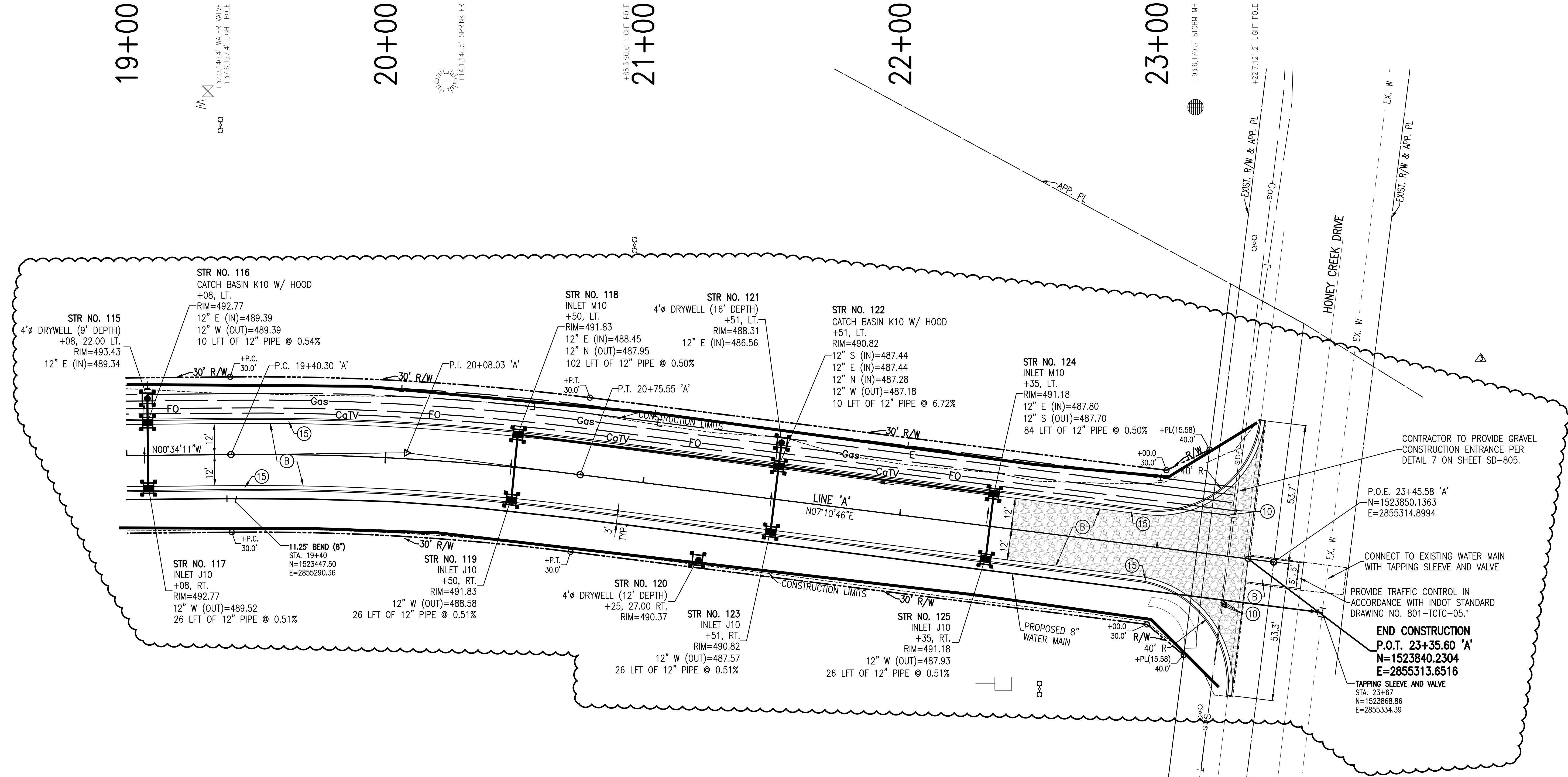
21+00

+453,300.6 LIGHT POLE

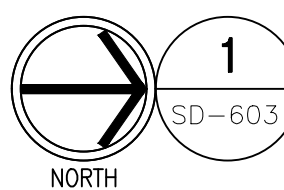
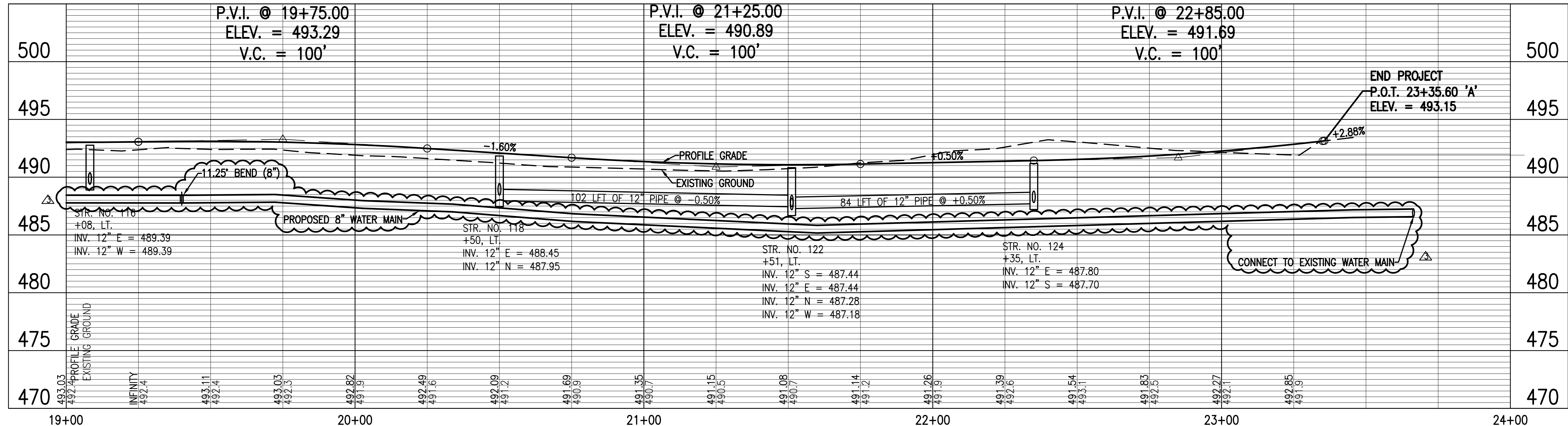
22+00

23+00

+433,6170.5 STORM MH

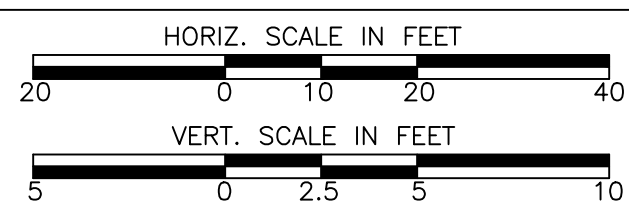


CURVE DATA
PI = 20+08.03 'A'
Δ = 7° 44' 58" LT.
R = 1000.00'
T = 67.73'
L = 135.25'
E = 2.29'



1 PLAN AND PROFILE

HORIZ. SCALE - 1" = 20'
VERT. SCALE - 1" = 5'



WATER UTILITY INSTALLATION NOTES

1. INSTALLATION OF WATER MAIN, FITTINGS, VALVES, FIRE HYDRANTS, AND APPURTENANCES SHALL BE IN ACCORDANCE WITH INDIANA AMERICAN WATER STANDARDS AND SPECIFICATIONS, LATEST REVISION.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION, SIZE AND MATERIAL OF THE EXISTING WATER MAIN PRIOR TO CONSTRUCTION.
3. FOR PVC C900 PIPE INSTALLATION: DR14 PIPE IS REQUIRED. DEFLECTION OF PIPE JOINTS AND BENDING OF PIPES ARE NOT PERMITTED. ALL ANGLES SHALL BE MADE WITH PROPER FITTINGS. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, ALL JOINTS SHALL BE RESTRAINED WITH EXTERNAL SPLIT SERRATED RESTRAINT HARNESSSES. SELECT FILL MATERIAL REQUIRED FOR BEDDING AND EMBEDMENT REGARDLESS OF PIPE'S PROXIMITY TO PAVEMENT.
4. FOR DUCTILE IRON PIPE INSTALLATION: THICKNESS CLASS 52 FOR TYPICAL DISTRIBUTION MAINS 12-INCH NOMINAL SIZE AND SMALLER. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL STAINLESS STEEL LOCKING SEGMENTS ARE PERMITTED ON PIPE-TO-PIPE CONNECTIONS 12-INCH NOMINAL SIZE AND SMALLER ONLY. PIPE-TO-PIPE CONNECTIONS GREATER THAN 12-INCH NOMINAL SIZE SHALL BE RESTRAINED PER SPECIFICATION SECTION 15105.
5. ENCASE ALL DUCTILE IRON PIPING, DUCTILE IRON FITTINGS, VALVES, HYDRANTS, AND ALL OTHER METALLIC APPURTENANCES IN 12MIL POLYETHYLENE.
6. ALL FIRE HYDRANT LATERALS SHALL BE DUCTILE IRON PIPE.
7. ALL MJ T-BOLTS AND FLANGE BOLTS SHALL HAVE NYLON OR FLUOROKOTONE #1 CORROSION RESISTANT COATING.
8. ALL FITTINGS SHALL BE RESTRAINED USING MJ RETAINER GLANDS OR POURED CONCRETE THRUST BLOCKS.
9. COPPER-CLAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM SPACING OF 10-FEET. SPLICES SHALL BE ENCASED IN WATERPROOF CONNECTORS. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
10. SELECT FILL MATERIAL REQUIRED FOR FINAL BACKFILL WHEN WITHIN 5-FEET OF PAVEMENT PER SPECIFICATION SECTION 02210.
11. MAINTAIN THE REQUIRED 10-FEET OF HORIZONTAL SEPARATION AND 18-INCHES OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS. MAINTAIN 8-FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-5.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
12. MAINTAIN MINIMUM COVER DEPTH OF 60" AND A MAXIMUM OF 60"+24".

LEGEND

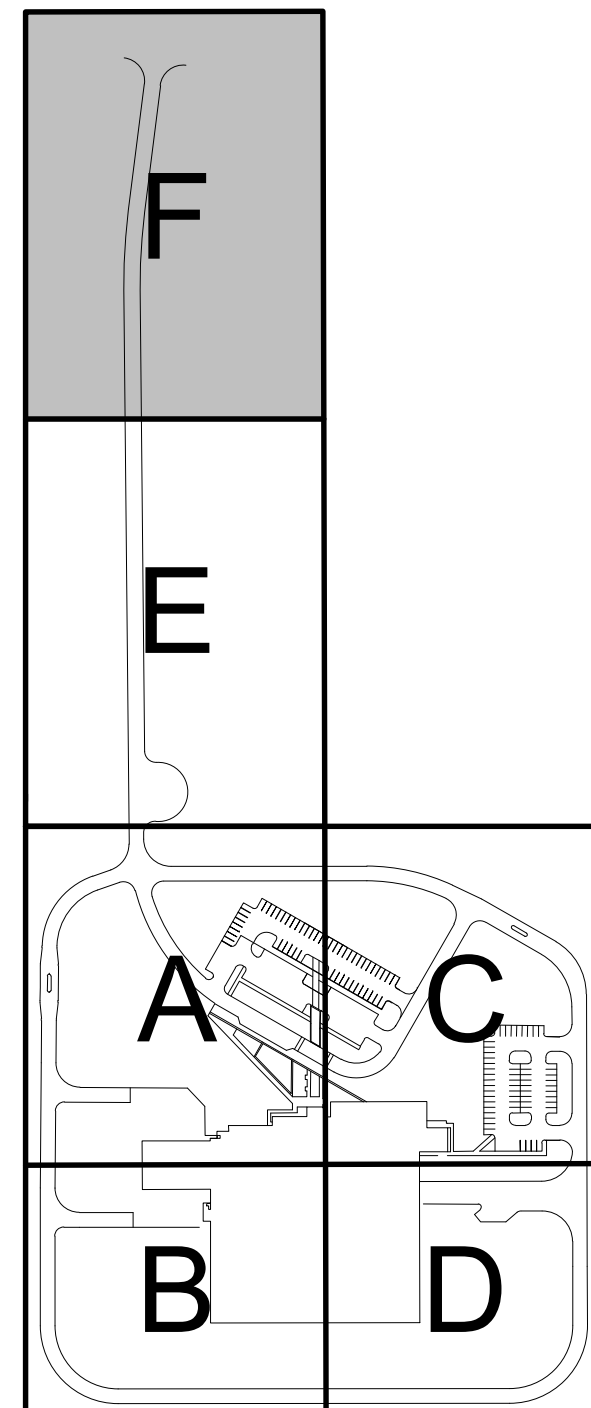
- (10) COORDINATE WITH UTILITY COMPANIES FOR CONNECTION
- (15) COMBINED CONCRETE CURB AND GUTTER
- (B) 165#/SYD HMA, SURFACE, ON 495#/SYD HMA, INTERMEDIATE, ON 6" COMPACTED AGGREGATE, NO. 53, BASE, ON SUBGRADE TREATMENT TO BE 10" OF SUBGRADE SCARIFIED AND COMPACTED

- TEMPORARY PERIMETER PROTECTION: SILT FENCE
- TEMPORARY INLET PROTECTION

SEE EROSION CONTROL NOTES ON SD-301 AND DETAILS ON SHEET SD-805



KEYPLAN



DRAWING NUMBER

SD-603

SITE DEVELOPMENT

VIGO COUNTY SECURITY CENTER

TERRE HAUTE, INDIANA

PLAN AND PROFILE

DRAWN: TH

DESIGNED: MDD

APPROVED: MDD

DATE: SEPTEMBER 5, 2019

PROJECT NUMBER

1663-1190-90

DATE

9/12/19

9/25/19

REVISION

NO.

DESCRIPTION

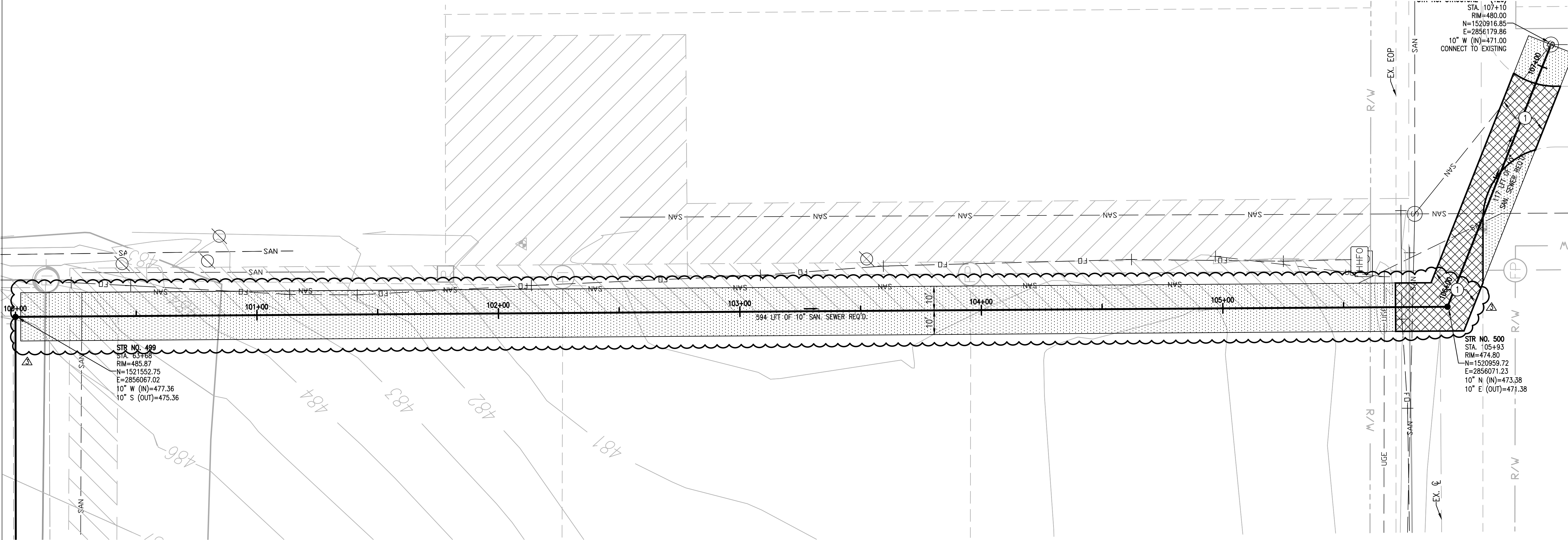
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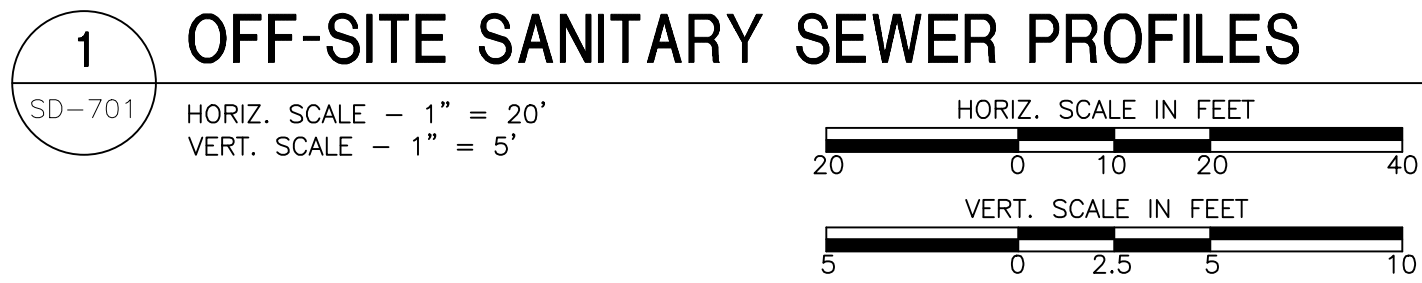
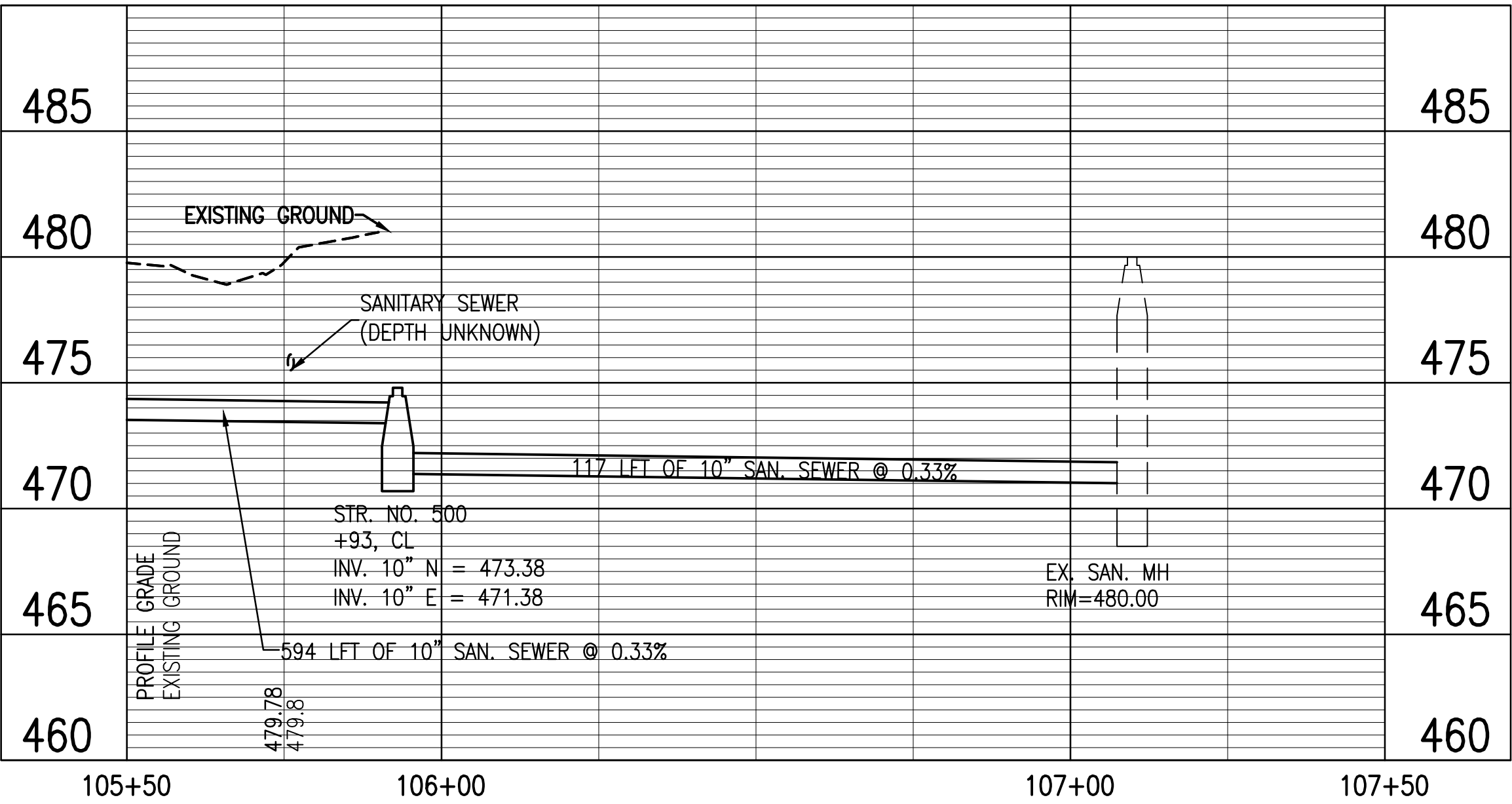
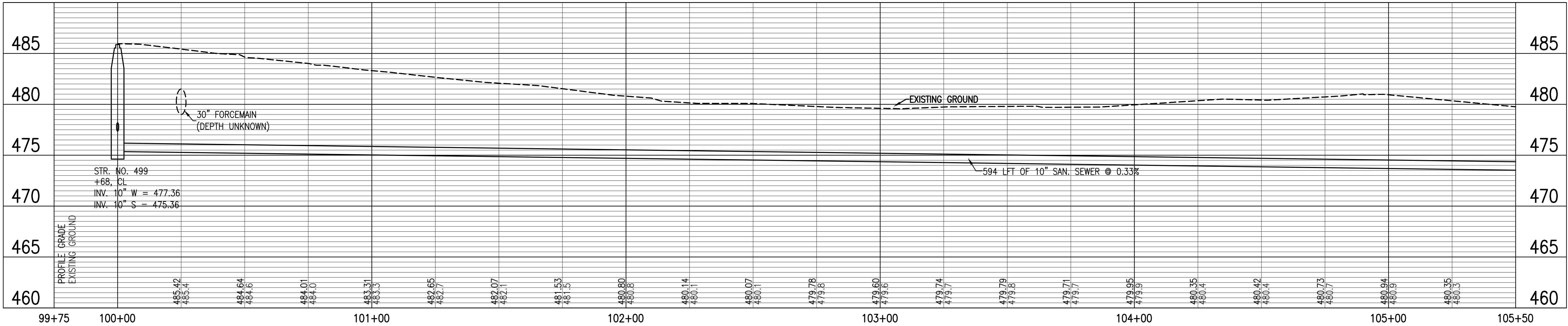
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SEE SHEET SD-401-D FOR
CONTINUATION OF SANITARY SEWER



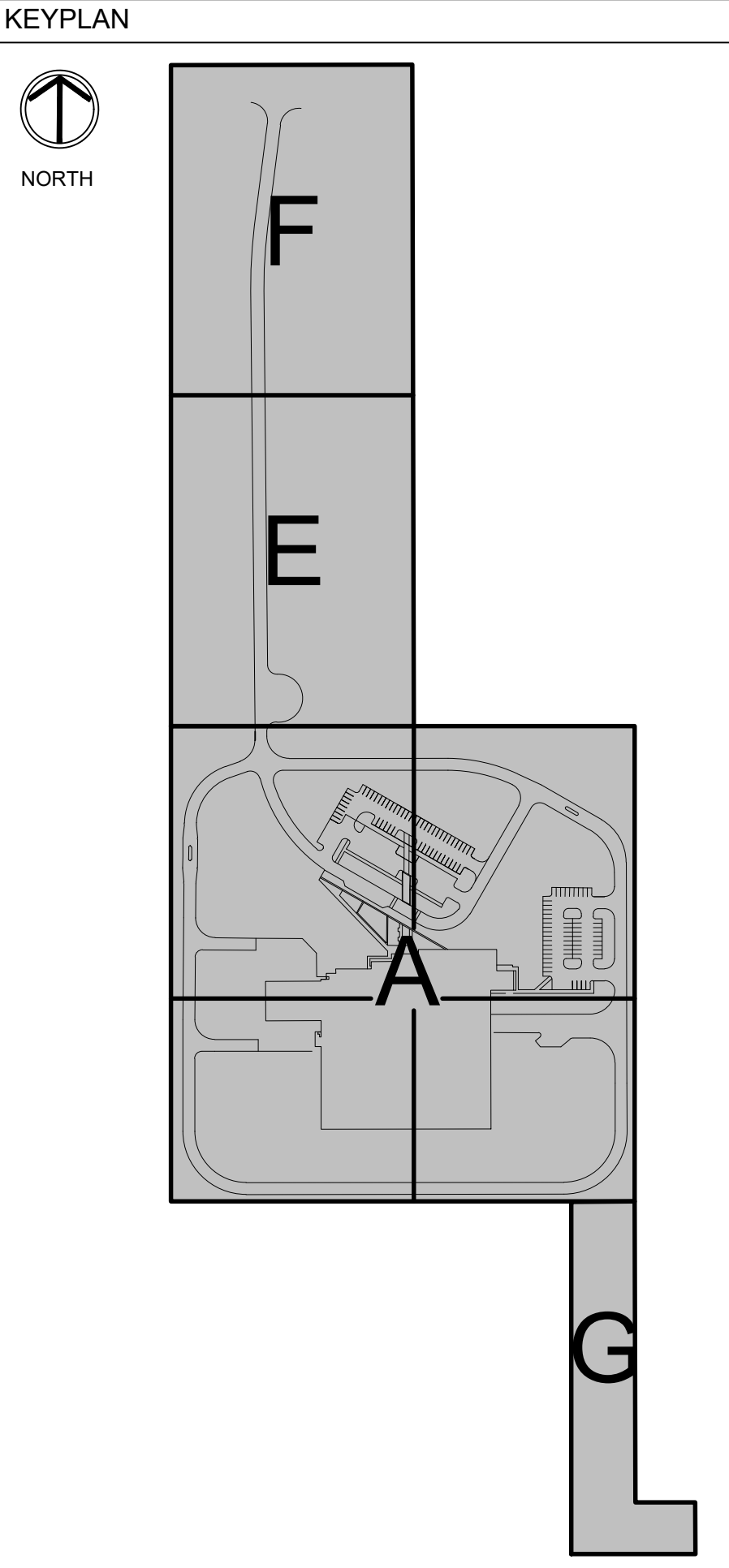
- GENERAL NOTES**
- UTILITIES AND UNDERGROUND OBSTACLES SHOWN ARE APPROXIMATE. FIELD VERIFY UTILITY LOCATIONS PRIOR TO COMMENCEMENT OF EARTHWORK AND/OR UTILITY ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO OBSTRUCTION AND UTILITY LINES ENCOUNTERED DURING CONSTRUCTION. CONTRACTOR SHALL NOTIFY AND HAVE THE UTILITY LOCATED AT LEAST 48 HOURS IN ADVANCE PRIOR TO EXCAVATING.
 - CONSTRUCTION LIMITS SHOWN ARE APPROXIMATE. ADJUSTMENTS TO THE LIMITS INCIDENTAL TO CONSTRUCTION ACTIVITIES MAY BE PERMITTED WITH THE APPROVAL OF THE ENGINEER. CONTRACTOR SHALL FIELD MARK ANY PROPOSED CHANGES TO THE CONSTRUCTION LIMITS FOR ENGINEER APPROVAL PRIOR TO BEGINNING CONSTRUCTION.
 - CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL APPROPRIATE JURISDICTION REGARDING R.O.W WORK AND UTILITY COMPANIES.
 - ALL WATER MAIN PIPING SHALL HAVE A MINIMUM COVER OF 60". MAINTAIN ELEVATION ON PIPE BETWEEN VALVES AND FITTINGS.
 - CONTRACTOR TO COORDINATE EXISTING WATER MAIN CONNECTION WITH UTILITY. CONTRACTOR SHALL VERIFY EXISTING WATER MAIN ELEVATION AND LOCATION.
 - NO OPEN TRENCHES WILL BE ALLOWED IN THE EVENING AFTER DAILY CONSTRUCTION OPERATIONS HAVE FINISHED, EXCEPT IN THE AREA OF THE TRENCHING BOX. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AROUND TRENCHING BOX AREA FOR PUBLIC SAFETY.
 - ALL BURIED WATER MAIN GREATER THAN OR EQUAL TO 4" DIAMETER SHALL BE SUPPORTED WITH CONCRETE THRUST BLOCKING AND RESTRAINED JOINTS AT ALL JOINTS, BENDS, TEES, CROSSES AND VALVES.
 - IF VALVE IS GREATER THAN 10 FEET BELOW FINAL GRADE, CONTRACTOR SHALL SUPPLY EXTENDED VALVE BOX AND VALVE ROD.
 - COORDINATE GAS METER WITH UTILITY.
 - WATER MAIN PIPING SHALL MAINTAIN AT LEAST 10 FEET HORIZONTAL AND 18 INCHES VERTICAL SEPARATION FROM ALL OTHER UTILITIES.

LEGEND

1 ASPHALT PAVEMENT TYPE I

TURF SEED

1 SD-801



DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC

PROFESSIONAL SEAL
L. PORTER
REGISTERED PROFESSIONAL ENGINEER
NO. 0900533
STATE OF INDIANA

DRAWING NUMBER
SD-701

SITE DEVELOPMENT

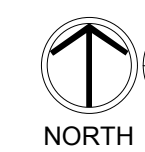
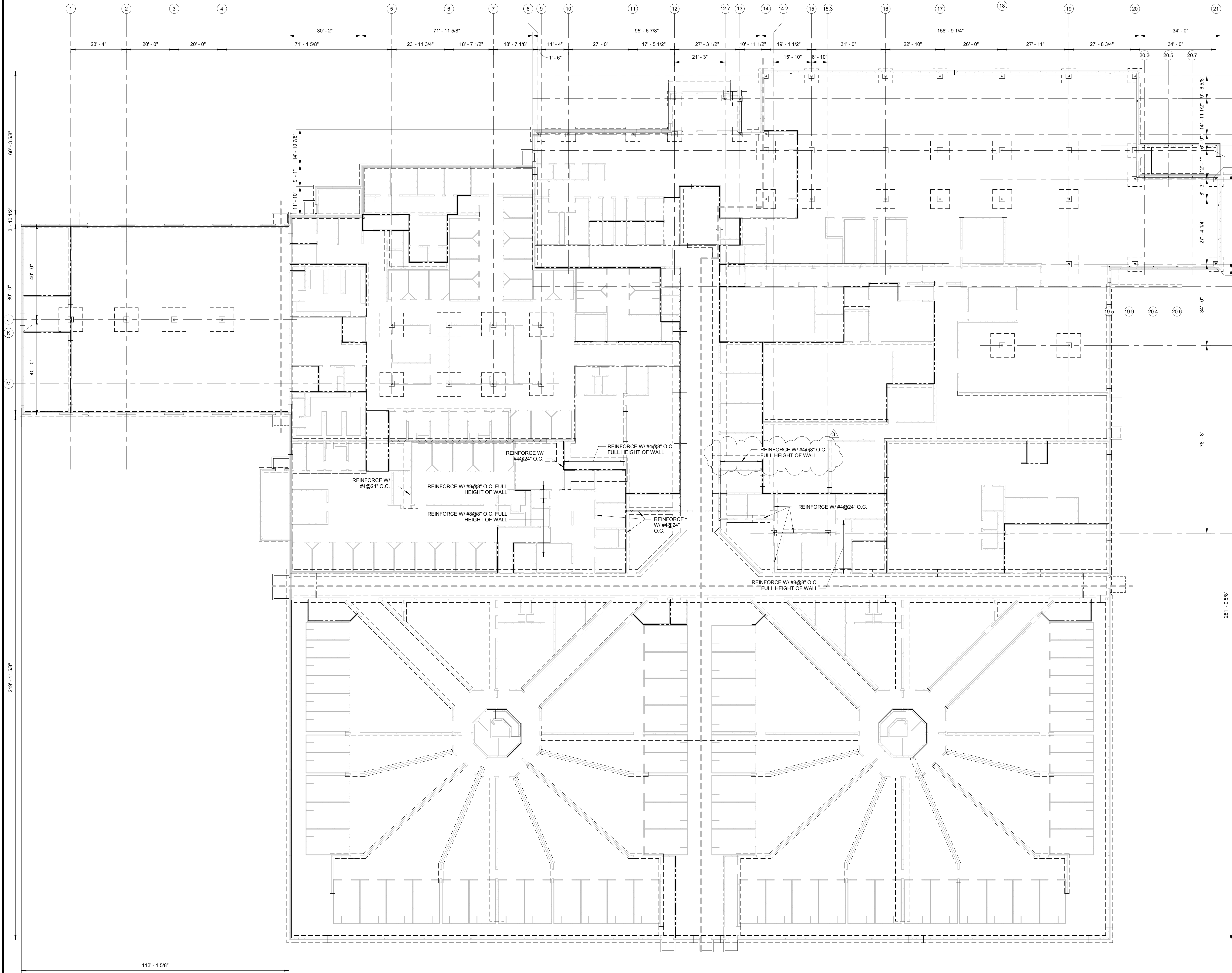
DRAWN: JUNI CHK'D: KRD
DESIGNED: JLP
APPR'D: JLP
DATE: SEPTEMBER 5, 2019
PROJECT NUMBER
1663-1190-90

VIGO COUNTY SECURITY CENTER
TERRE HAUTE, INDIANA

OFF-SITE SANITARY SEWER PROFILES

DATE
9/26/19

REVISION
ADENDUM NO. 3



1
S-101
FOUNDATION PLAN - OVERALL
SCALE: 1/16" = 1'-0"

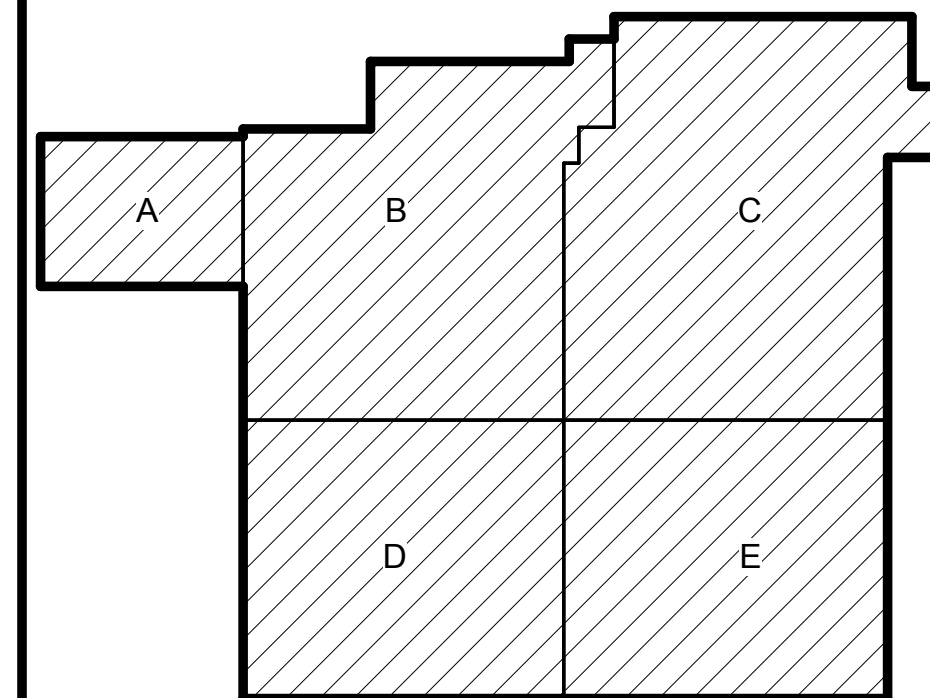
PLAN NOTES:

- REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- FOOTINGS SHALL BE SUPPORTED ON NATURAL SOILS IMPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE RAMMED AGGREGATE PIER SSE AND INSTALLED BY A CERTIFIED CONTRACTOR.
- OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531.
- ALL CMU WALLS SHALL BE REINFORCED W/ #4@48" U.N.O.
- MEZZANINE EXTERIOR WALLS ABOVE ELEVATION 116'-4" SHALL BE REINFORCED WITH #6@24" O.C. U.N.O.
- PARTIAL HEIGHT CMU WALLS MUST UTILIZE CAST IN DOWEL IN LIEU OF EPOXY EMBED DOWEL INTO THICKENED SLAB.

LEGEND:

SECURITY WALL. PROVIDE ADDITIONAL REINFORCING SUCH THAT THERE IS #4@8" O.C. OR GREATER. BARS REQUIRED FOR SECURITY ARE NOT REQUIRED TO BE DOWELED INTO FOUNDATION OR BE LAPPED. THESE WALLS SHALL BE GROUTED SOLID.

KEY PLAN



A NEW

VIGO COUNTY SECURITY CENTER

TERRE HAUTE, INDIANA

FOUNDATION PLAN - OVERALL

DRAWING NUMBER

S-101

STRUCTURAL

DRAWN: VMR

DESIGNED: VMR

APPROVED: CVAN

DATE: September 5, 2019

PROJECT NUMBER

1663-1190-90

NO.

REVISION

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09/22/19

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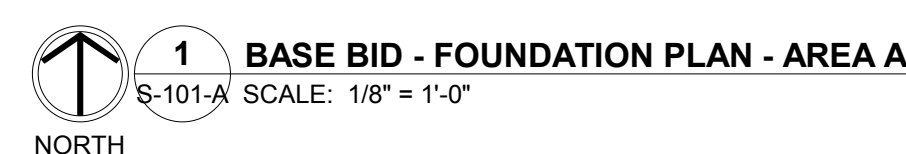
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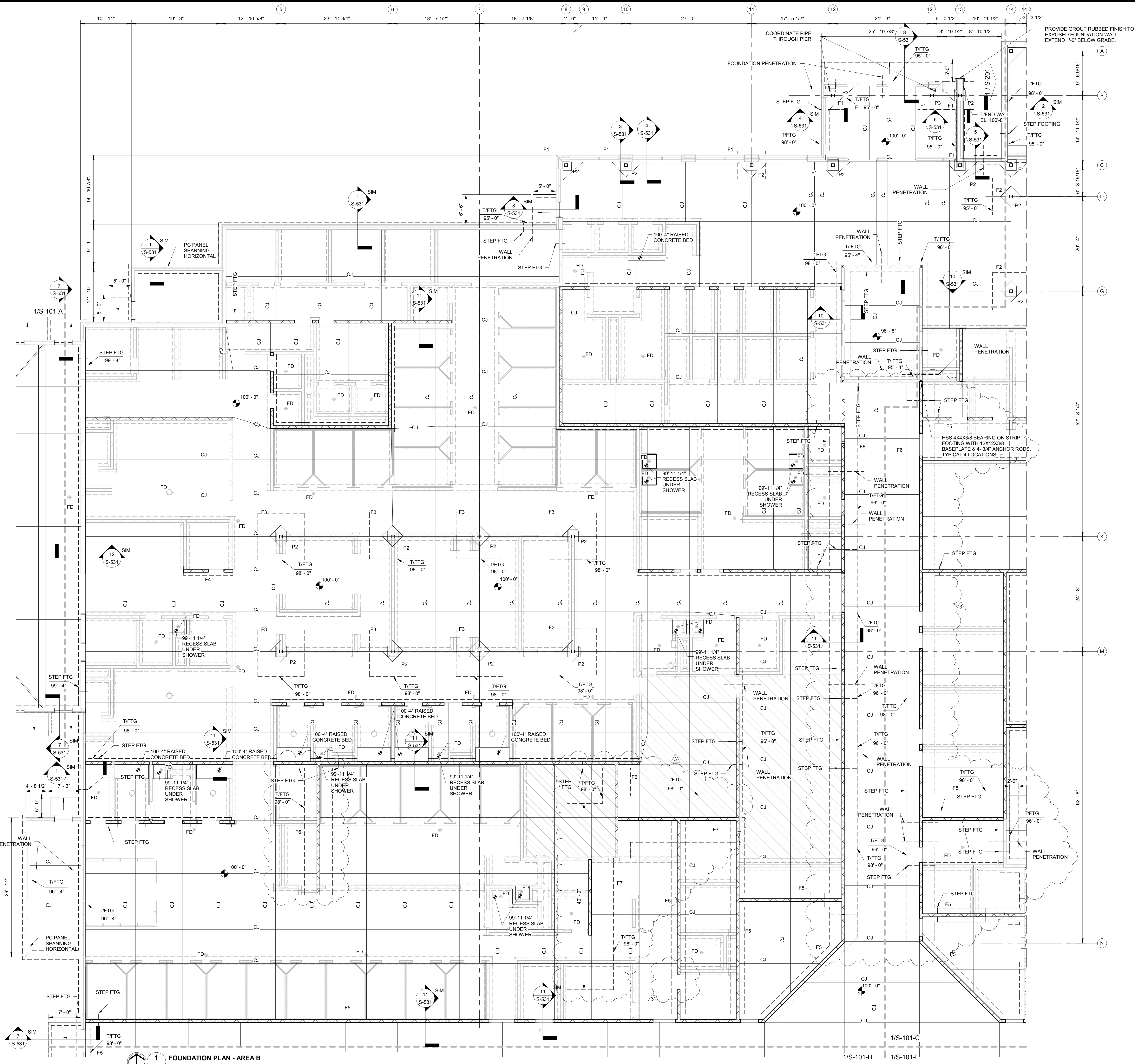
- A. REFER TO S-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- B. FORMWORK SHALL BE SUPPORTED ON NATURAL SOILS.
- C. BE APPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE DESIGNER. USE OF AGGREGATE PIER SHALL BE INSTALLED BY A CERTIFIED CONTRACTOR.
- D. TOP OF FOUNDATION WALL ELEVATION IS 100'-0" UNO
- E. TOP OF INTERIOR FOOTING ELEVATION IS 98'-0" UNO
- F. TOP OF EXTERIOR FOOTING ELEVATION IS 98'-0" UNO
- G. TOP OF INTERIOR FOOTING ELEVATION IS 99'-4" UNO
- H. PROVIDE THICKENED SLAB UNDER ALL CMU WALLS
- I. TOP OF FOUNDATION SHALL BE 100'-0" UNO
- J. OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531.
- K. SLAB ON-GRADE SHALL BE 4" THICK UNO
- L. PROVIDE #4 FOR ALL STRIP FOOTINGS UNO.

	TOP OF FLAT SLAB ELEVATION
	SLAB SLOPE DIRECTION
	SLAB ELEVATION ALONG A LINE OR AT A POINT
	FLOOR DRAIN OR FLOOR SINK. SET 1/2" BELOW FFE (MIN) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS
F#	FOOTING MARK. SEE SCHEDULE ON S-601
P#	PIER MARK. SEE DETAIL 4/S-532.
	THICKENED SLAB. SEE S-530 FOR DETAILS.
	HIGH DENSITY STORAGE. SEE DETAIL 15/S-531.
	TRENCH DRAIN. SEE 7/S-530.
	SPAN OF 8" THICK CAST-IN-PLACE ELEVATED CONCRETE SLAB REINFORCED W/ #5@8" O.C. (E.W. T&B)
	LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
	LIMITS OF FREEZER

FOUNDATION PLAN - AREA A

STRUCTURAL

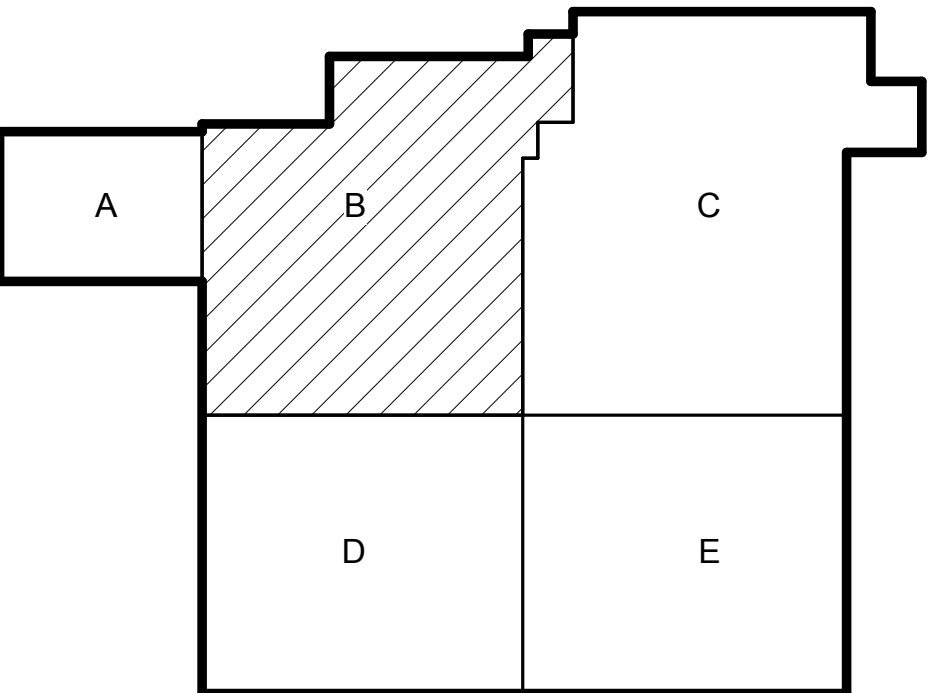




- PLAN NOTES:**
- A. REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
 - B. FOOTINGS SHALL BE SUPPORTED ON NATURAL SOILS IMPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE RAMMED AGGREGATE PIER SSE AND INSTALLED BY A CERTIFIED CONTRACTOR.
 - C. TOP OF FOUNDATION WALL ELEVATION IS 100'-0" UNO
 - D. TOP OF PIER ELEVATION IS 99'-4" UNO
 - E. TOP OF EXTERIOR FOOTING ELEVATION IS 98'-0" UNO
 - F. TOP OF INTERIOR FOOTING ELEVATION IS 99'-4" UNO
 - G. PROVIDE THICKENED SLAB UNDER ALL CMU WALLS WITHOUT FOUNDATIONS.
 - H. OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531.
 - I. SLAB-ON-GRADE SHALL BE 4" THICK UNO
 - J. PROVIDE F4 FOR ALL STRIP FOOTINGS UNO.

- LEGEND:**
- 100'-0" TOP OF FLAT SLAB ELEVATION
 - SLAB SLOPE DIRECTION
 - 100'-0" SLAB ELEVATION ALONG A LINE OR AT A POINT
 - FD FLOOR DRAIN OR FLOOR SINK. SET 1/2" BELOW FFE (MIN) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS
 - F# FOOTING MARK, SEE SCHEDULE ON S-601.
 - P# PIER MARK, SEE DETAIL 4/S-532.
 - THICKENED SLAB. SEE S-530 FOR DETAILS.
 - HIGH DENSITY STORAGE. SEE DETAIL 16/S-531.
 - TD TRENCH DRAIN SEE 7/S-530.
 - CS SPAN OF 8" THICK CAST-IN-PLACE ELEVATED CONCRETE SLAB REINFORCED W/ #5@8" O.C. (E.W. T&B)
 - LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
 - LIMITS OF FREEZER

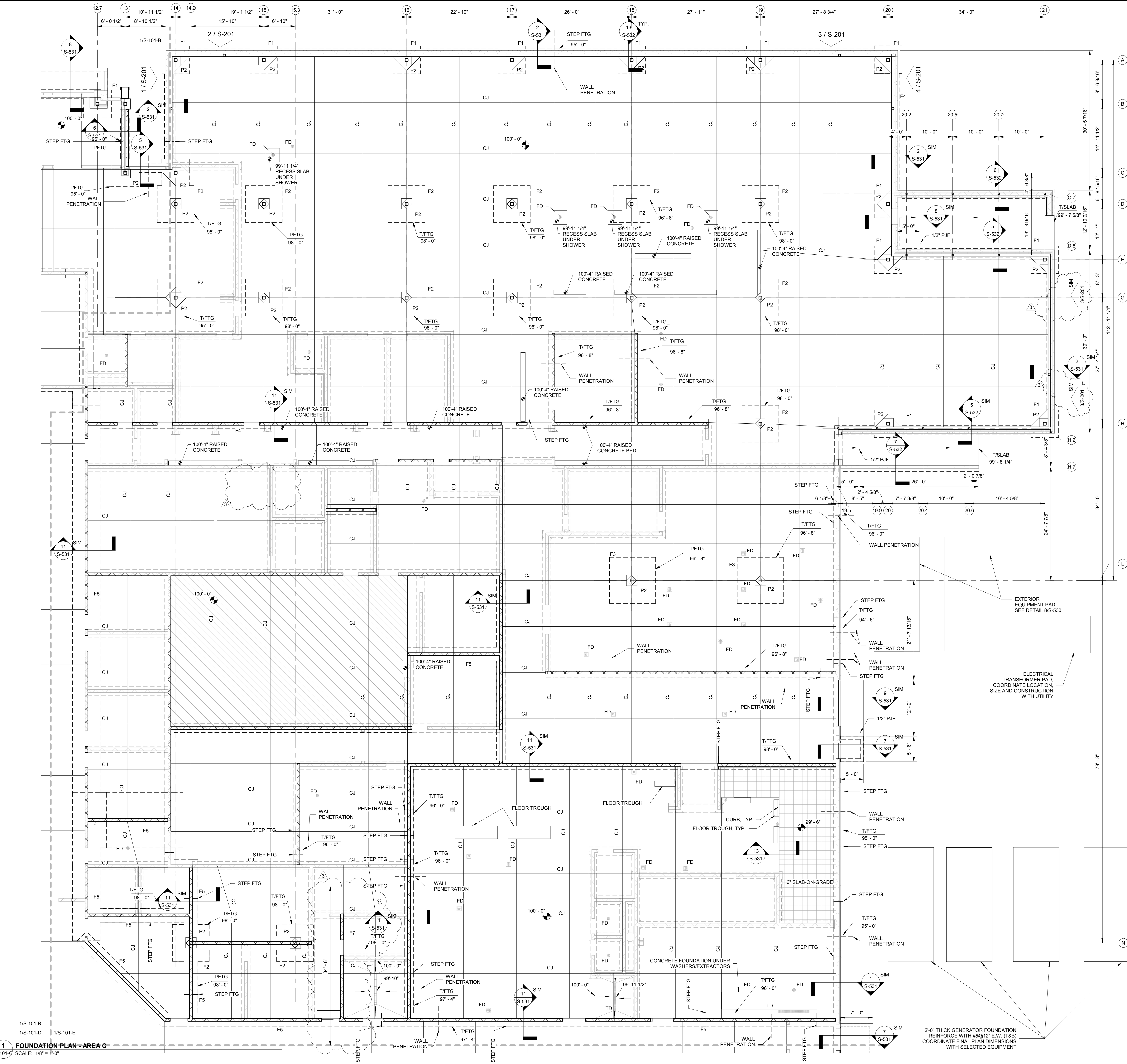
KEY PLAN



DLZ ARCHITECTURE • ENGINEERING • PLANNING SURVEYING • CONSTRUCTION SERVICES DLZ INDIANA, LLC	
Vrednour	
DATE: 09/25/19 REVISION: 1. Addendum #01 3. Addendum #03	
NO. 1663-1190-90	
DRAWN: VMR DESIGNED: VMR APPROVED: CVAN DATE: September 5, 2019 PROJECT NUMBER	
A NEW VIGO COUNTY SECURITY CENTER TERRE HAUTE, INDIANA	
FOUNDATION PLAN - AREA B	
DRAWING NUMBER S-101-B	STRUCTURAL



1 FOUNDATION PLAN - AREA C
S-101-C SCALE: 1/8" = 1'-0"



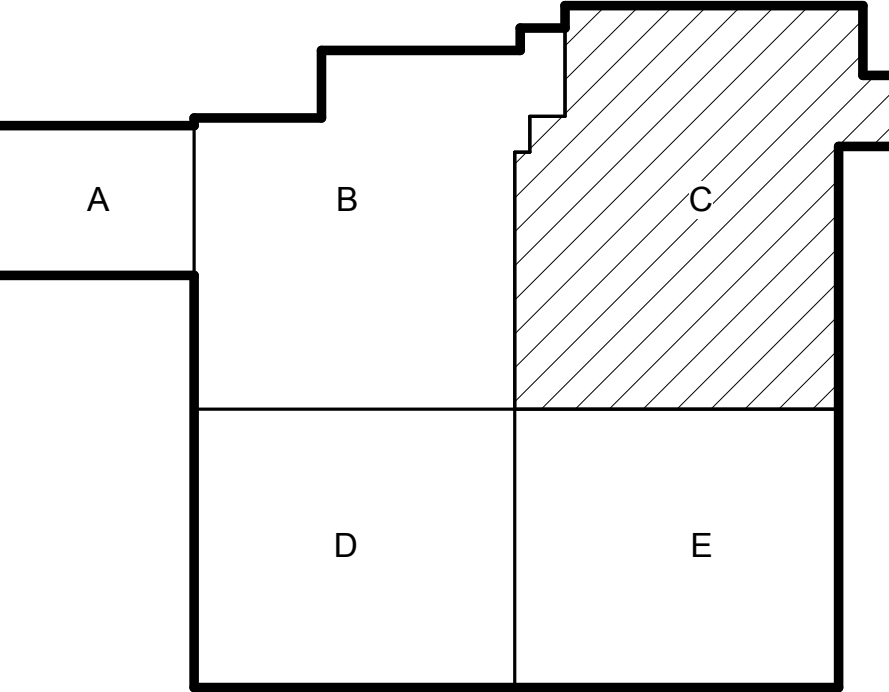
PLAN NOTES:

- A. REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- B. FOOTINGS SHALL BE SUPPORTED ON NATURAL SOILS IMPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE RAMMED AGGREGATE PIER SSE AND INSTALLED BY A CERTIFIED CONTRACTOR.
- C. TOP OF FOUNDATION WALL ELEVATION IS 100'-0" UNO.
- D. TOP OF PIER ELEVATION IS 99'-4" UNO.
- E. TOP OF EXTERIOR FOOTING ELEVATION IS 98'-4" UNO.
- F. TOP OF INTERIOR FOOTING ELEVATION IS 99'-4" UNO.
- G. PROVIDE THICKENED SLAB UNDER ALL CMU WALLS WITHOUT FOUNDATIONS.
- H. OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531.
- I. SLAB-ON-GRADE SHALL BE 4" THICK UNO.
- J. PROVIDE F4 FOR ALL STRIP FOOTINGS UNO.

LEGEND:

- 100'-0" TOP OF FLAT SLAB ELEVATION
- SLAB SLOPE DIRECTION
- 100'-0" SLAB ELEVATION ALONG A LINE OR AT A POINT
- FD FLOOR DRAIN OR FLOOR SINK, SET 1/2" BELOW FFE (MIN) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS
- F# FOOTING MARK, SEE SCHEDULE ON S-601.
- P# PIER MARK, SEE DETAIL 4/S-532.
- THICKENED SLAB, SEE S-530 FOR DETAILS.
- HIGH DENSITY STORAGE, SEE DETAIL 15/S-531.
- TD TRENCH DRAIN, SEE 7/S-530.
- CS SPAN OF 8" THICK CAST-IN-PLACE ELEVATED CONCRETE SLAB REINFORCED WITH #5@8" O.C. (E.W. T&B)
- LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL, SEE REQUIRED REINFORCING ON PAGE S-101.
- LIMITS OF FREEZER

KEY PLAN



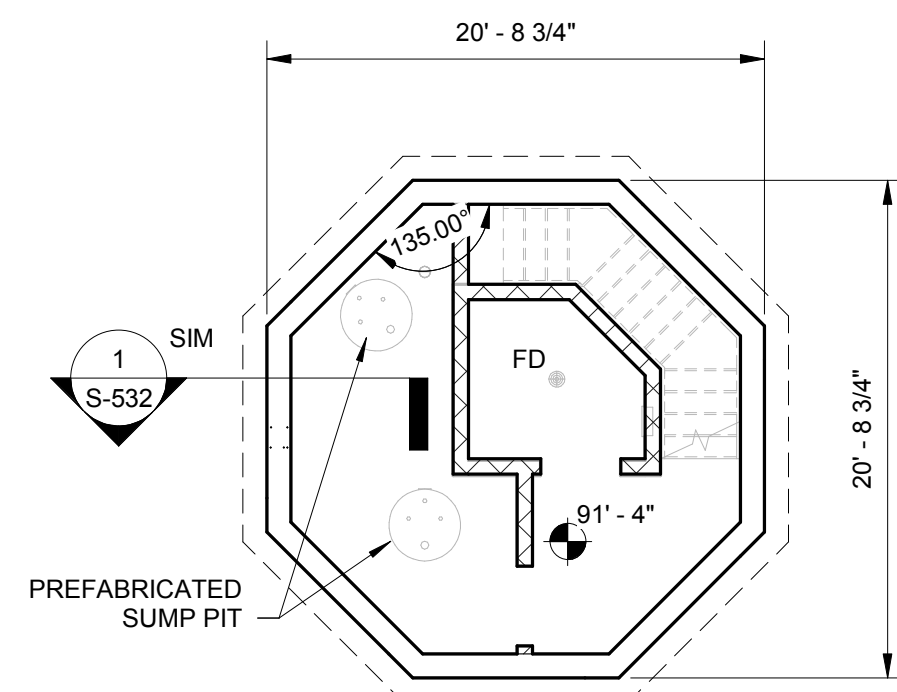
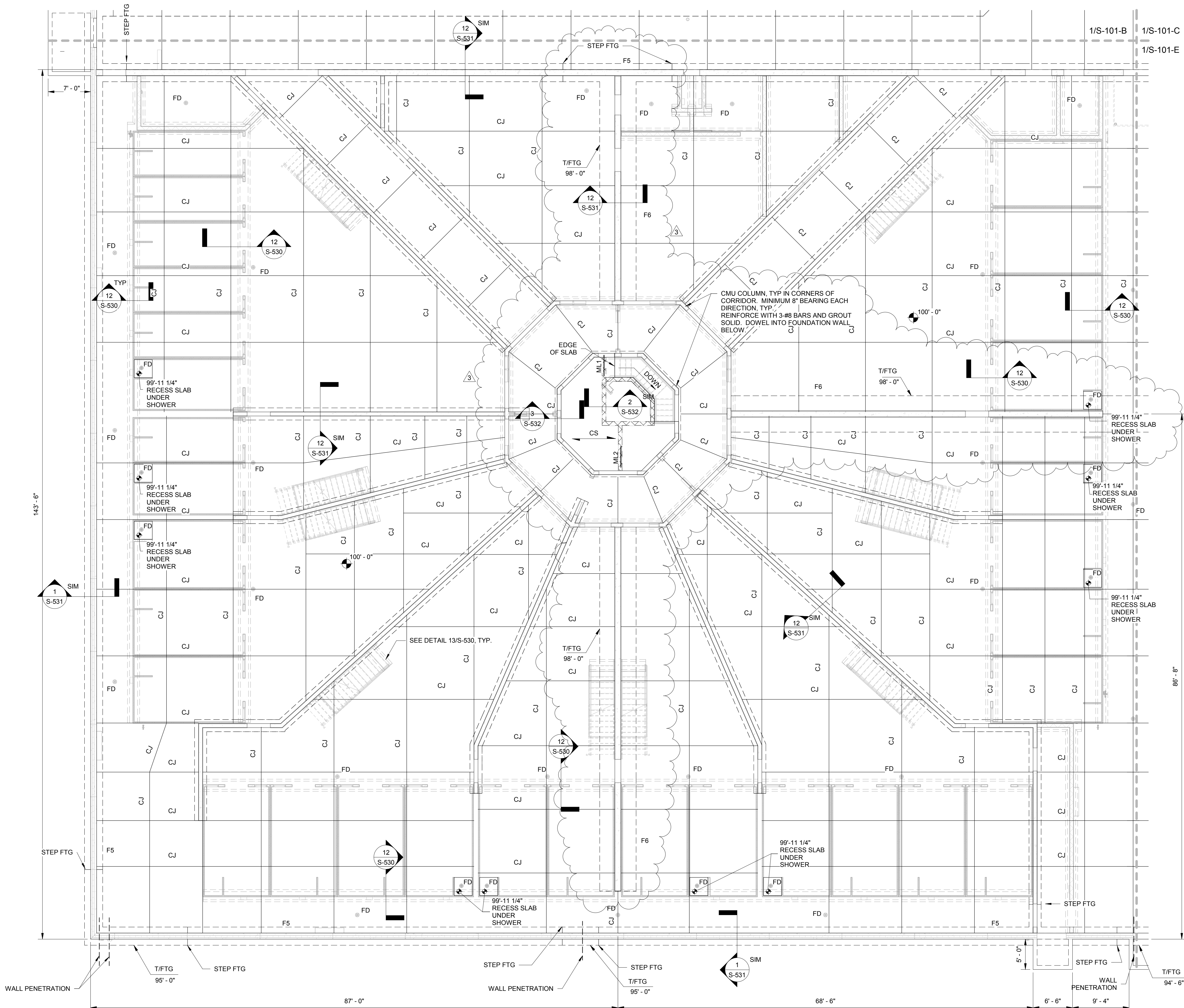
DLZ
ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
INDIANA, LLC

Vrednour
Professional Engineer
No. PE18004
State of Indiana

DRAWN: VVR	CHKD: CVN	DATE: 09/25/19
DESIGNED: VVR	APPROVD: CVN	REVISION: 1 Addendum #01, 2 Addendum #02, 3 Addendum #03
PROJECT NUMBER: 1663-1190-90		DATE: September 5, 2019
VIGO COUNTY SECURITY CENTER		TERRE HAUTE, INDIANA
FOUNDATION PLAN - AREA C		STRUCTURAL
S-101-C		

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 **1** FOUNDATION PLAN - AREA D
S-101-D SCALE: 1/8" = 1'-0"

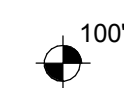
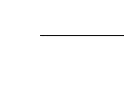


 **2** LOWER LEVEL PLAN - D
S-101-D SCALE: 1/8" = 1'-0"

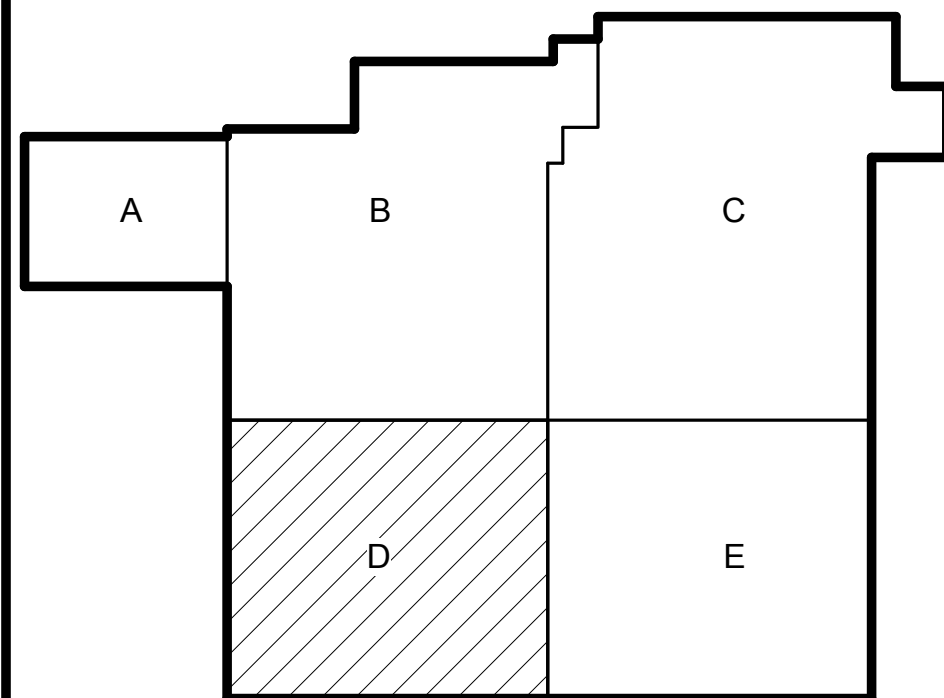
PLAN NOTES:

- REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- FOOTINGS SHALL BE SUPPORTED ON NATURAL SOILS IMPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE RAMMED AGGREGATE PIER SSE AND INSTALLED BY A CERTIFIED CONTRACTOR.
- TOP OF FOUNDATION WALL ELEVATION IS 100'-0" UNO
- TOP OF PIER ELEVATION IS 99'-4" UNO
- TOP OF EXTERIOR FOOTING ELEVATION IS 98'-0" UNO
- TOP OF INTERIOR FOOTING ELEVATION IS 99'-4" UNO
- PROVIDE THICKENED SLAB UNDER ALL CMU WALLS WITHOUT FOUNDATIONS.
- OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531
- SLAB-ON-GRADE SHALL BE 4" THICK UNO
- PROVIDE F4 FOR ALL STRIP FOOTINGS UNO

LEGEND:

-  100'-0" TOP OF FLAT SLAB ELEVATION
-  SLAB SLOPE DIRECTION
-  100'-0" SLAB ELEVATION ALONG A LINE OR AT A POINT
-  FD FLOOR DRAIN OR FLOOR SINK, SET 1/2" BELOW FFE (MIN) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS
-  F# FOOTING MARK, SEE SCHEDULE ON S-601
-  P# PIER MARK, SEE DETAIL 4/S-532
-  THICKENED SLAB. SEE S-530 FOR DETAILS.
-  HIGH DENSITY STORAGE. SEE DETAIL 15/S-531.
-  TD TRENCH DRAIN. SEE 7/S-530.
-  CS SPAN OF 8" THICK CAST-IN-PLACE ELEVATED CONCRETE SLAB REINFORCED W/ #5@8" O.C. (E.W. T&B)
-  LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
-  LIMITS OF FREEZER

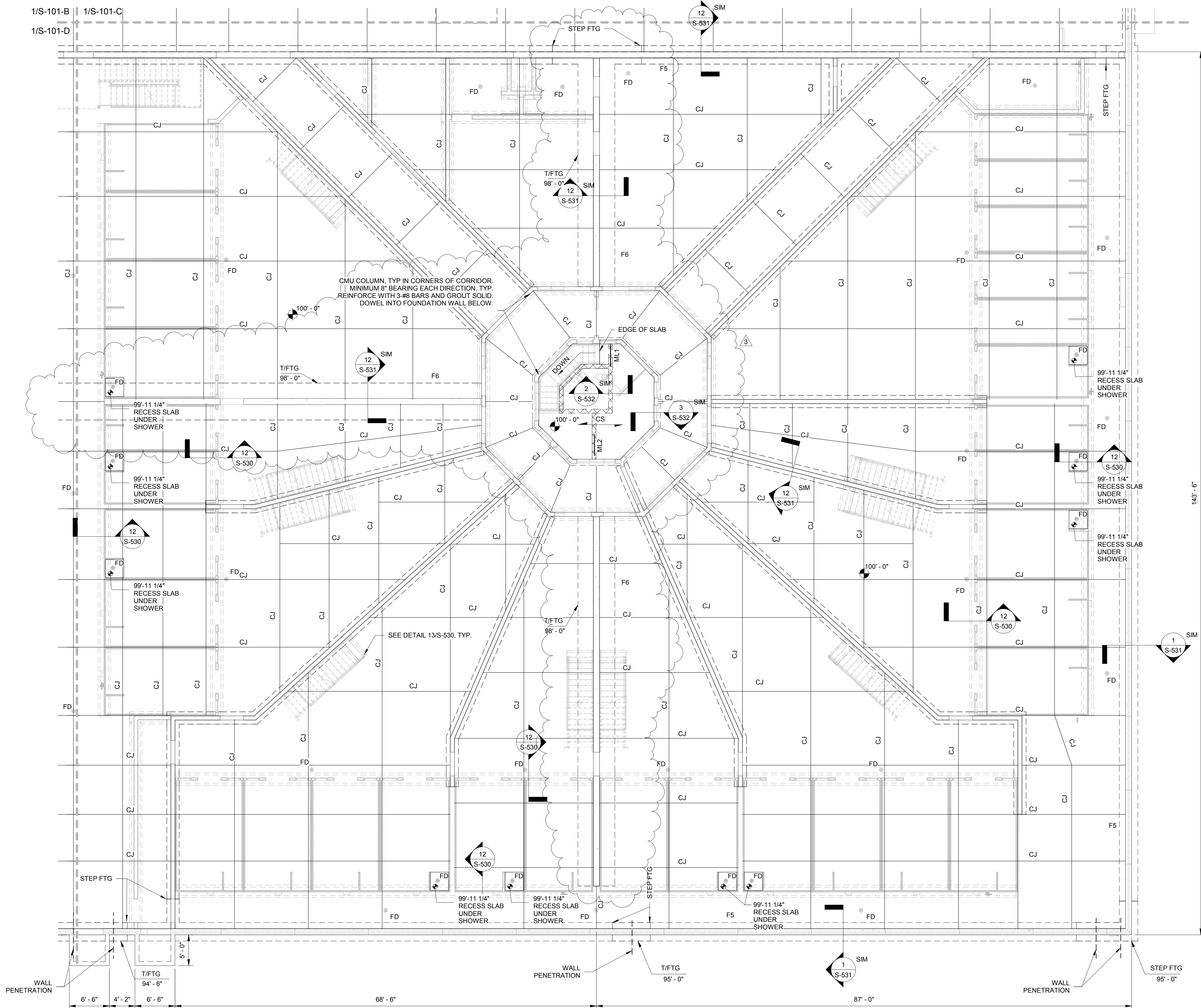
KEY PLAN



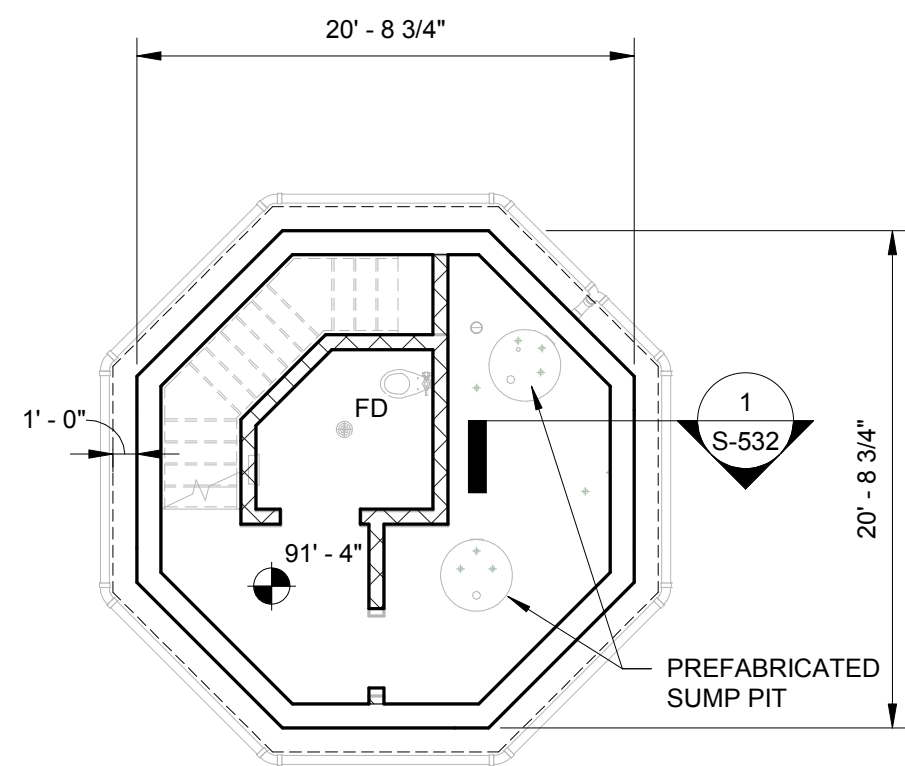
DATE	REVISION	NO.	DRAWN: VWR	CHKD: CVN
09/22/19	1	1	Adrianum #01	DESIGNED: VWR
09/26/19	3	3	Adrianum #03	APPRVD: CVN
DATE: September 5, 2019		PROJECT NUMBER		
		1663-1190-90		

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1 FOUNDATION PLAN - AREA E
S-101-E SCALE: 1/8" = 1'-0"
NORTH



2 LOWER LEVEL PLAN - E
S-101-E SCALE: 1/8" = 1'-0"
NORTH



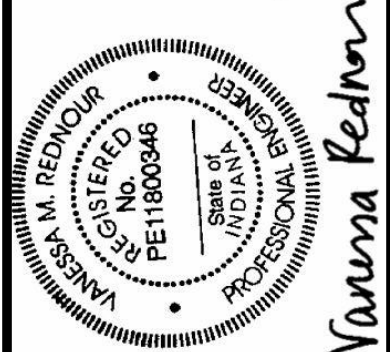
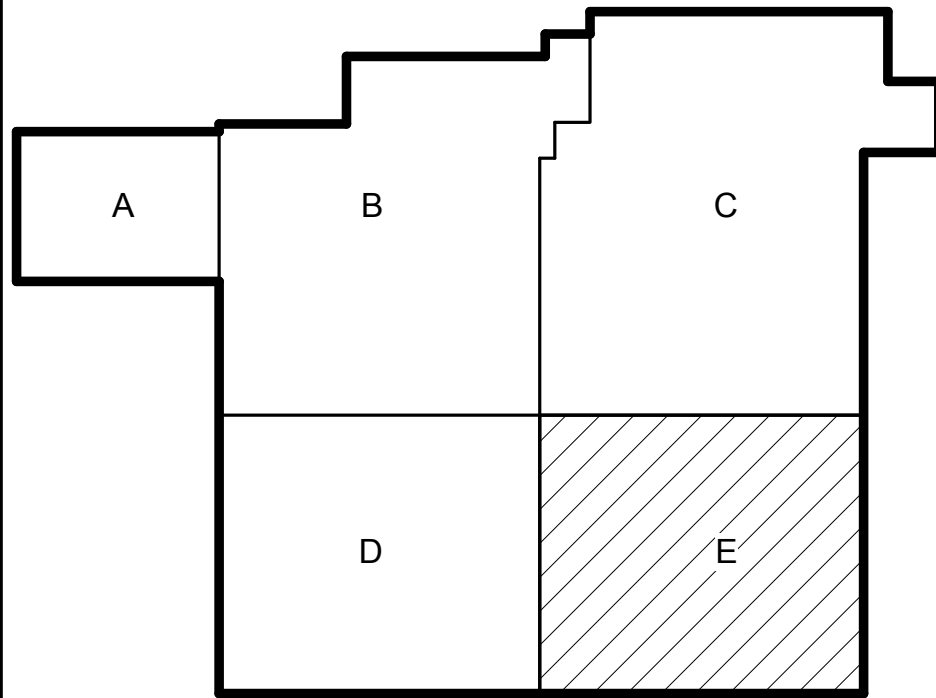
PLAN NOTES:

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- FOOTINGS SHALL BE SUPPORTED ON NATURAL SOILS IMPROVED BY USING A RAMMED AGGREGATE PIER FOUNDATION SYSTEM. THE QUANTITY AND SIZE OF RAMMED AGGREGATE PIERS UNDER FOOTINGS SHALL BE DETERMINED BY THE RAMMED AGGREGATE PIER SSE AND INSTALLED BY A CERTIFIED CONTRACTOR.
- TOP OF FOUNDATION WALL ELEVATION IS 100'-0" UNO
- TOP OF PIER ELEVATION IS 99'-4" UNO
- TOP OF EXTERIOR FOOTING ELEVATION IS 98'-0" UNO
- TOP OF INTERIOR FOOTING ELEVATION IS 99'-4" UNO
- PROVIDE THICKENED SLAB UNDER ALL CMU WALLS WITHOUT FOUNDATIONS.
- OVEREXCAVATE UNDER THICKENED SLABS PER DETAILS ON S-531.
- SLAB-ON-GRADE SHALL BE 4" THICK UNO
- PROVIDE F4 FOR ALL STRIP FOOTINGS UNO.

LEGEND:

- 100'-0" TOP OF FLAT SLAB ELEVATION
- SLAB SLOPE DIRECTION
- 100'-0" SLAB ELEVATION ALONG A LINE OR AT A POINT
- FD FLOOR DRAIN OR FLOOR SINK, SET 1/2" BELOW FFE (MIN) FINAL ELEVATION TO BE COORDINATED WITH DRAINAGE REQUIREMENTS
- F# FOOTING MARK, SEE SCHEDULE ON S-601.
- P# PIER MARK, SEE DETAIL 4/S-532.
- THICKENED SLAB. SEE S-530 FOR DETAILS.
- HIGH DENSITY STORAGE. SEE DETAIL 15/S-531.
- TD TRENCH DRAIN. SEE 7/S-530.
- CS SPAN OF 8" THICK CAST-IN-PLACE ELEVATED CONCRETE SLAB REINFORCED W/ #5@8" O.C. (E.W. T&B)
- LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
- LIMITS OF FREEZER

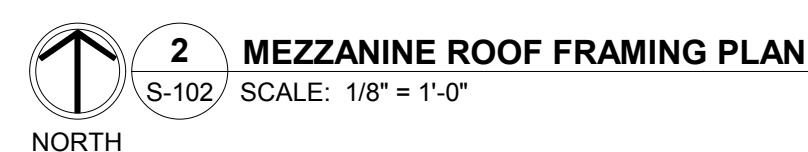
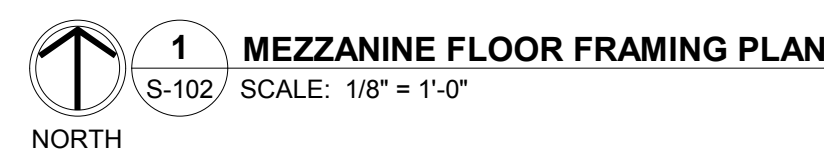
KEY PLAN

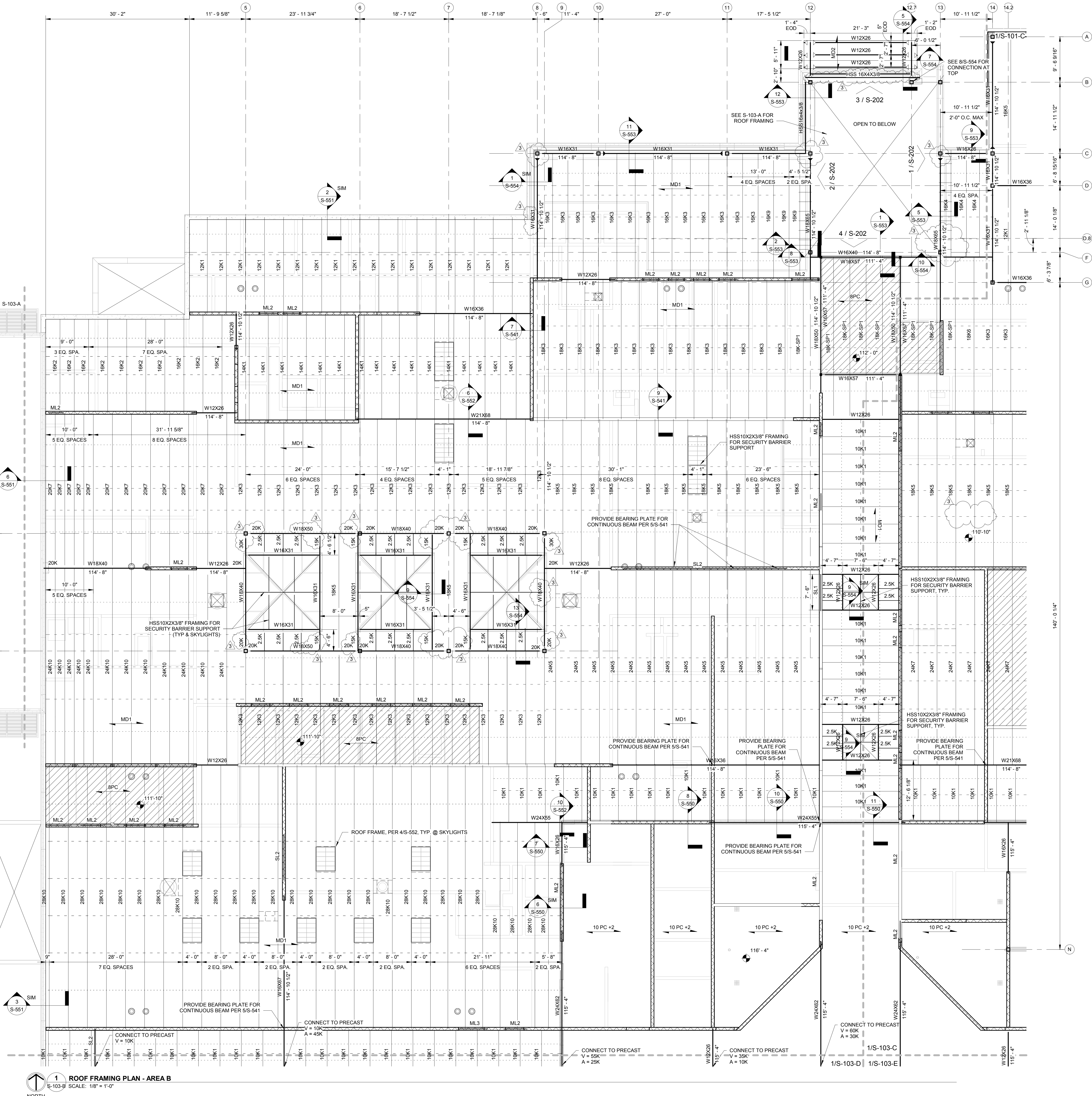


DATE	REVISION	NO.
09/22/19	1	Adendum #01
09/26/19	2	Adendum #02
	3	Adendum #03

VIGO COUNTY SECURITY CENTER	1663-1190-90
TERRE HAUTE, INDIANA	
FOUNDATION PLAN - AREA E	

DRAWING NUMBER	STRUCTURAL
S-101-E	





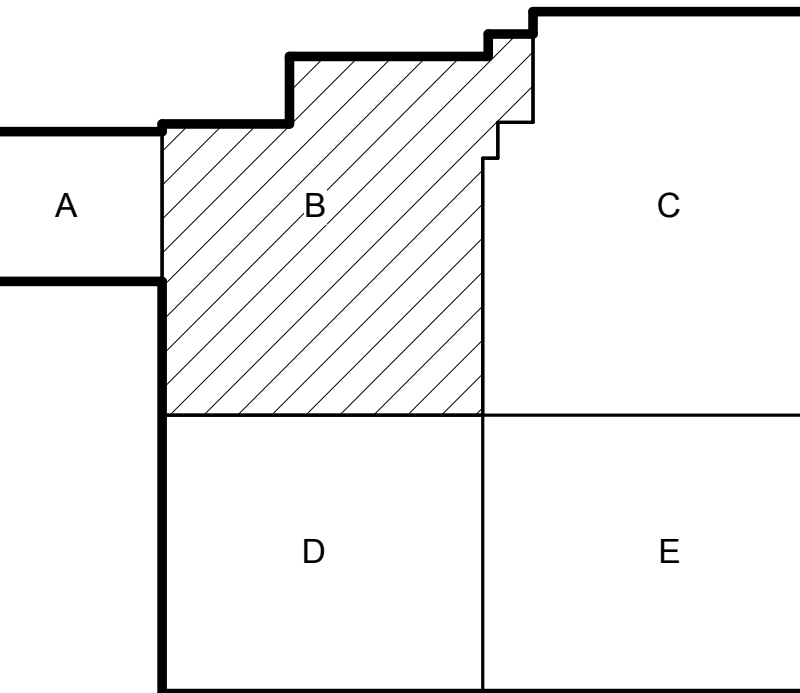
PLAN NOTES:

- REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- JOIST SHOE DEPTHS SHALL BE 2 1/2" FOR K-SERIES JOISTS AND 5" FOR LH-SERIES JOISTS UNO.
- AT AREA D AND E ROOF FRAMING, PROVIDE 5" JOIST SHOE FOR K-SERIES JOIST.
- JOIST BEARING ELEVATION IS 114'-8" UNO.
- JOIST SPACING SHALL BE 4'-0" O.C. MAX UNO.
- JOIST BRIDGING INDICATED IS DIAGNOSTIC IN NATURE. JOIST SEE AND CONTRACTOR TO COORDINATE FINAL NUMBER AND LOCATION OF BRIDGING PER SJI REQUIREMENTS.
- FOR BEAMS WITHOUT END REACTIONS INDICATED, USE 10 KIPS SHEAR.

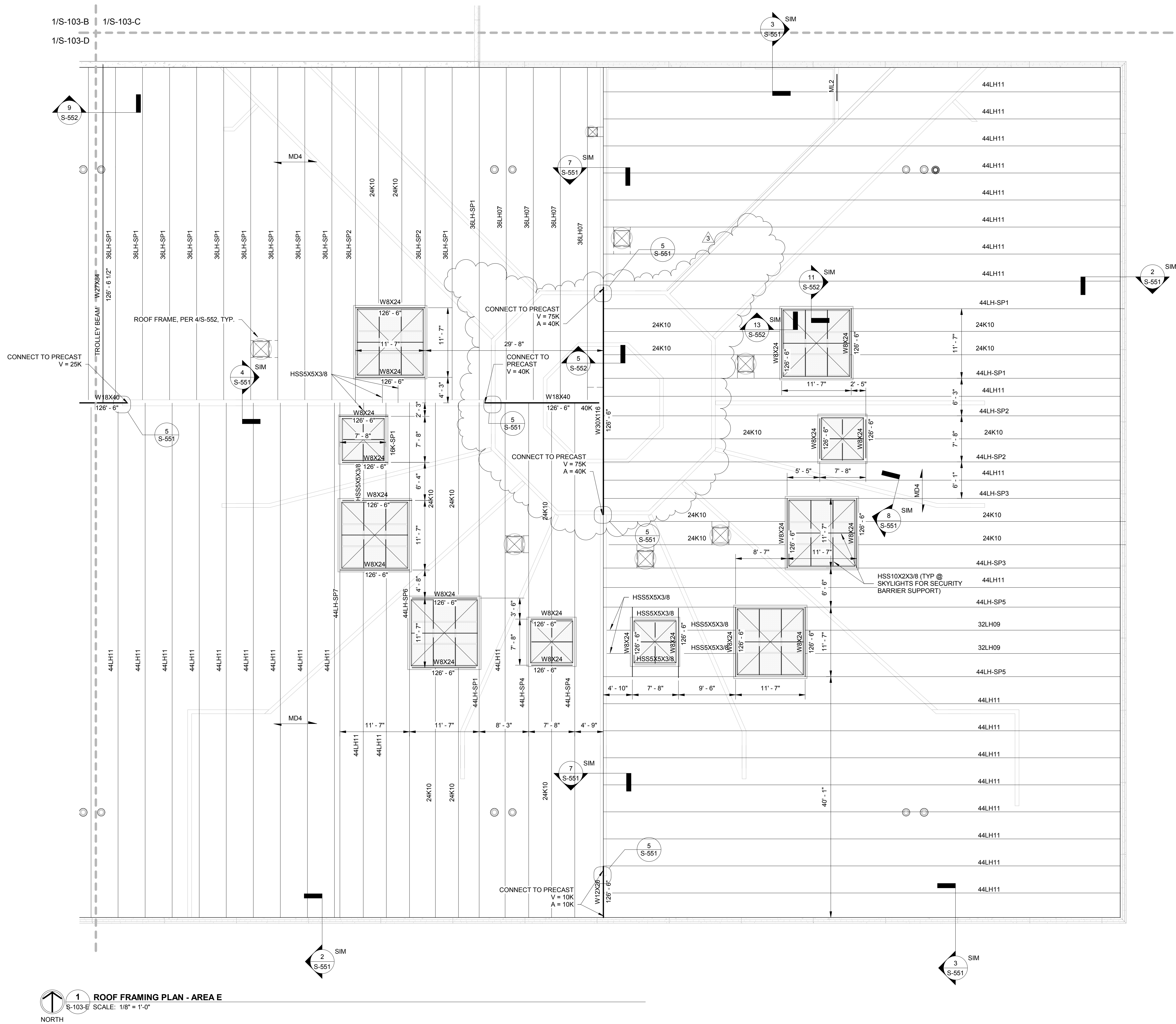
LEGEND:

- MLX MASONRY LINTEL, REFER TO SCHEDULE ON 7/S-540.
- SLX STEEL LINTEL W/ 3/8" BOTTOM PLATE, REFER TO SCHEDULE ON 7/S-540.
- 8 PC SPAN OF 8" HOLLOWCORE PRECAST CONCRETE SLAB
- 10 PC +2 SPAN OF 10" HOLLOWCORE PRECAST CONCRETE SLAB W/ 2" COMPOSITE TOPPING
- MD1 SPAN OF METAL DECK. SEE SCHEDULE ON S-701.
- INDICATES ROOF DECK PENETRATION, COORDINATE EXACT SIZE AND LOCATION. PROVIDE TYPICAL ROOF PENETRATION FRAMING PER DETAIL 4/S-552.
- LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
- JOIST UPLIFT BRIDGING, PER SJI SPECIFICATIONS
- JOIST BRIDGING, PER SJI SPECIFICATIONS
- MOMENT CONNECTION
- CANTILEVER MOMENT CONNECTION
- ROOF/OVERFLOW DRAIN. PROVIDE FRAMING PER 4/S-552
- BEAM SIZE
TOP OF BEAM ELEVATION
- BEAM REACTION
A = REQUIRED AXIAL LOAD IN ADDITION TO BEAM REACTION SHEAR FORCE.

KEY PLAN



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09/25/19 4:26:27 PM



1 ROOF FRAMING PLAN - AREA E
S-103-E SCALE: 1/8" = 1'-0"

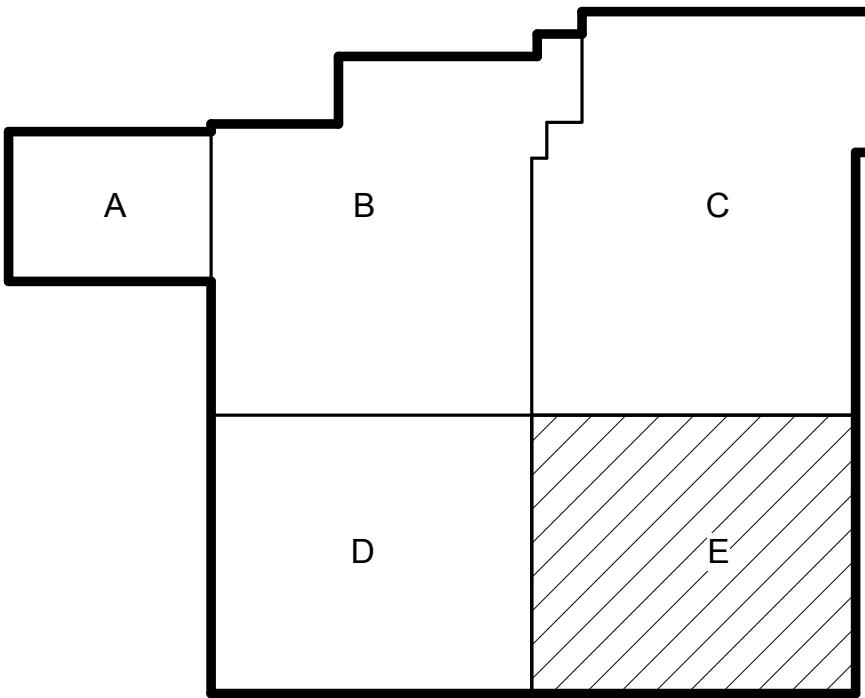
PLAN NOTES:

- A. REFER TO G-001 FOR ADDITIONAL GENERAL NOTES AND INFORMATION AND S-001 FOR ADDITIONAL STRUCTURAL GENERAL NOTES.
- B. JOIST SHOE DEPTHS SHALL BE 2 1/2" FOR K-SERIES JOISTS AND 5" FOR LH-SERIES JOISTS UNO.
- C. AT AREA D AND E ROOF FRAMMING, PROVIDE 5" JOIST SHOE FOR K-SERIES JOIST.
- D. JOIST BEARING ELEVATION IS 114'-8" UNO.
- E. JOIST SPACING SHALL BE 4'-0" O.C. MAX UNO.
- F. JOIST BRIDGING INDICATED IS DIAGRAMMATIC IN NATURE. JOIST SSE AND CONTRACTOR TO COORDINATE FINAL NUMBER AND LOCATION OF BRIDGING PER SJI REQUIREMENTS.
- G. FOR BEAMS WITHOUT END REACTIONS INDICATED, USE 10 KIPS SHEAR.

LEGEND:

- MLX MASONRY LINTEL, REFER TO SCHEDULE ON 7/S-540.
- SLX STEEL LINTEL W/ 3/8" BOTTOM PLATE, REFER TO SCHEDULE ON 7/S-540.
- 8 PC SPAN OF 8" HOLLOWCORE PRECAST CONCRETE SLAB
- 10 PC +2 SPAN OF 10" HOLLOWCORE PRECAST CONCRETE SLAB W/ 2" COMPOSITE TOPPING
- MD# SPAN OF METAL DECK. SEE SCHEDULE ON S-701.
- INDICATES ROOF DECK PENETRATION, COORDINATE EXACT SIZE AND LOCATION, PROVIDE TYPICAL ROOF PENETRATION FRAMING PER DETAIL 4/S-552.
- LIMITS OF STRUCTURAL LOAD BEARING OR SHEAR WALL. SEE REQUIRED REINFORCING ON PAGE S-101.
- JOIST UPLIFT BRIDGING, PER SJI SPECIFICATIONS
- JOIST BRIDGING, PER SJI SPECIFICATIONS
- MOMENT CONNECTION
- CANTILEVER MOMENT CONNECTION
- ROOF/OVERFLOW DRAIN. PROVIDE FRAMING PER 4/S-552
- BEAM SIZE
TOP OF BEAM ELEVATION
- BEAM REACTION
A = REQUIRED AXIAL LOAD IN ADDITION TO BEAM REACTION SHEAR FORCE.

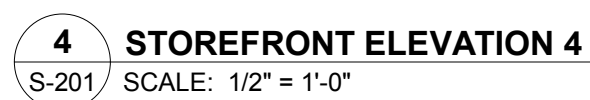
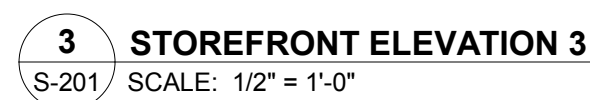
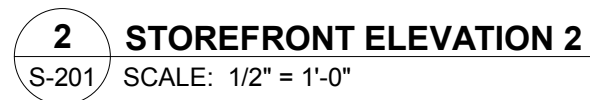
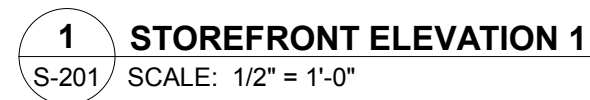
KEY PLAN



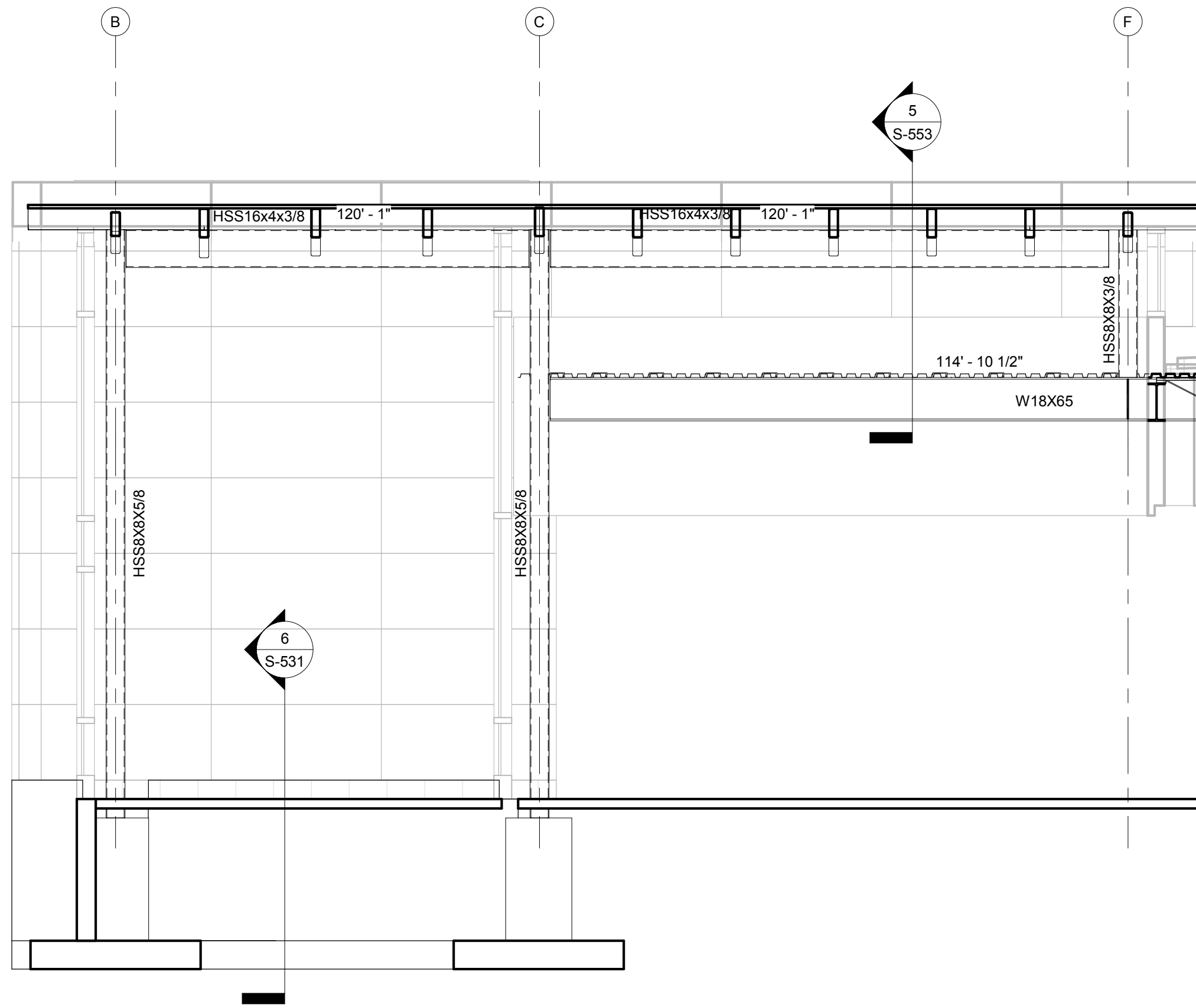
DATE	REVISION	NO.	CHKD.	CVAN
09/19/19	2	Adendum #02		
09/20/19	3	Adendum #03		

A NEW
VIGO COUNTY SECURITY CENTER
TERRE HAUTE, INDIANA
PROJECT NUMBER
1663-1190-90
ROOF FRAMING PLAN - AREA E

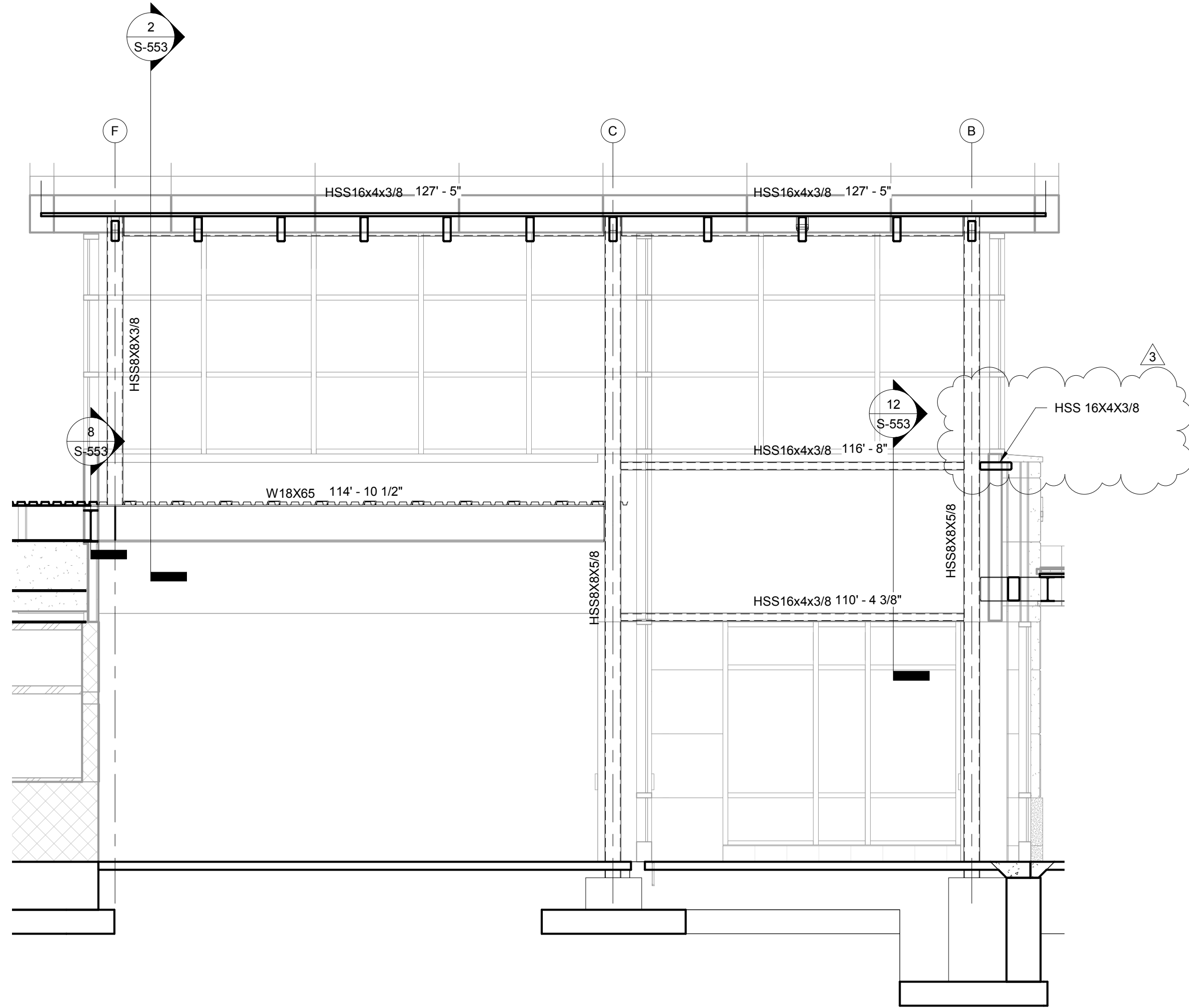
DRAWING NUMBER
S-103-E
STRUCTURAL



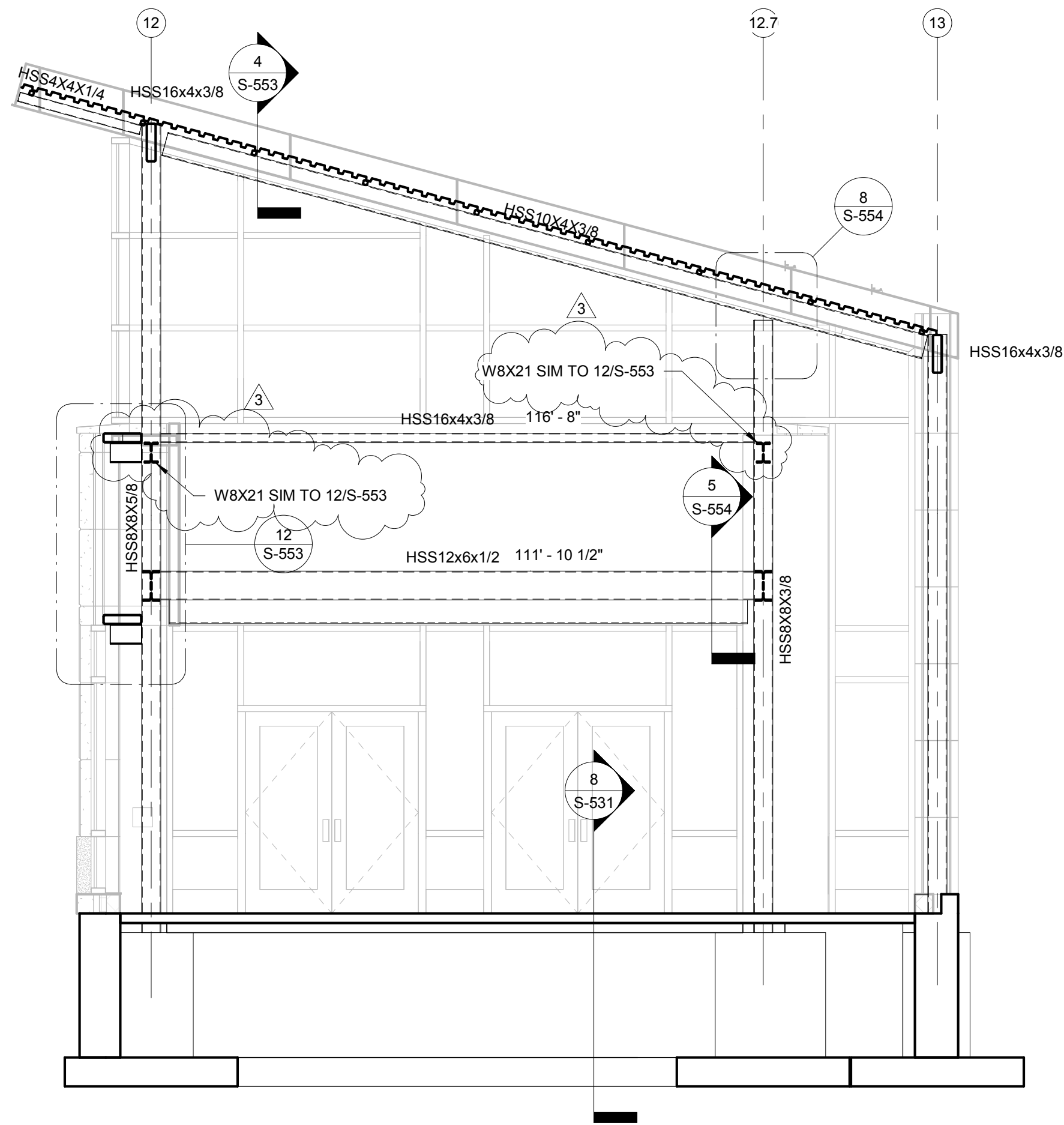
DRAWING NUMBER	A NEW		DRAWING BY	CHECKED BY	NO.	REVISION	DATE
	VIGO COUNTY SECURITY CENTER		DESIGNED BY		3	Addendum #03	09/29/19
S-201	TERRE HAUTE, INDIANA		APPROVED BY				
	FRAMING ELEVATIONS - 1		DATE:	September 5, 2019			
STRUCTURAL			PROJECT NUMBER	1663-1190-90			



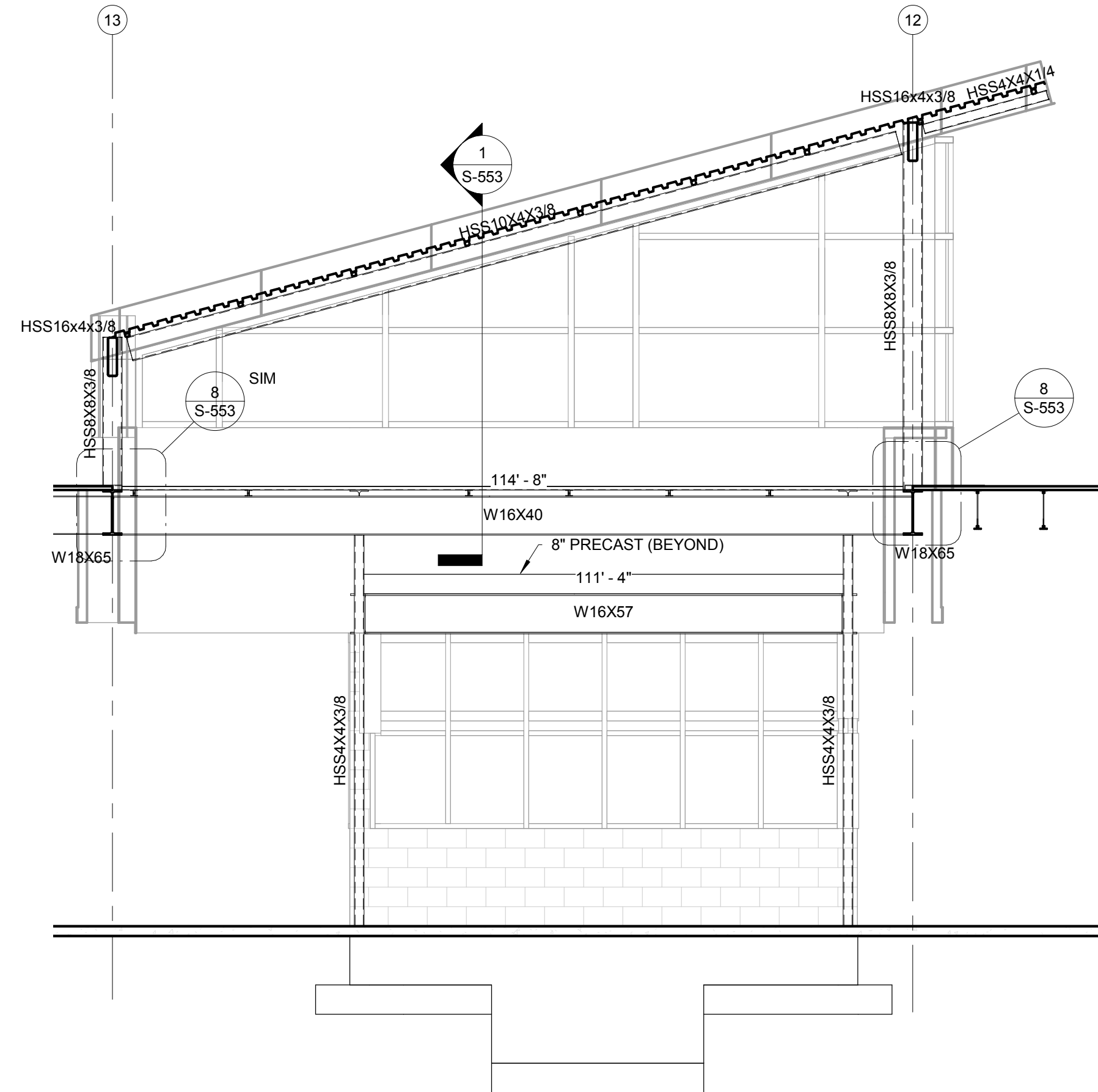
1 VESTIBULE EAST ELEVATION
S-202 SCALE: 1/4" = 1'-0"



2 VESTIBULE WEST ELEVATION
S-202 SCALE: 1/4" = 1'-0"



3 VESTIBULE NORTH ELEVATION
S-202 SCALE: 1/4" = 1'-0"



4 VESTIBULE SOUTH ELEVATION
S-202 SCALE: 1/4" = 1'-0"

DRAWING NUMBER

S-202

STRUCTURAL

A NEW
VIGO COUNTY SECURITY CENTER

TERRE HAUTE, INDIANA

FRAMING ELEVATIONS - 2

DRAWN: BMV

DESIGNED: BMV

APPROVED: CVAN

DATE: September 5, 2019

PROJECT NUMBER

1663-1190-90

DATE

09/26/19

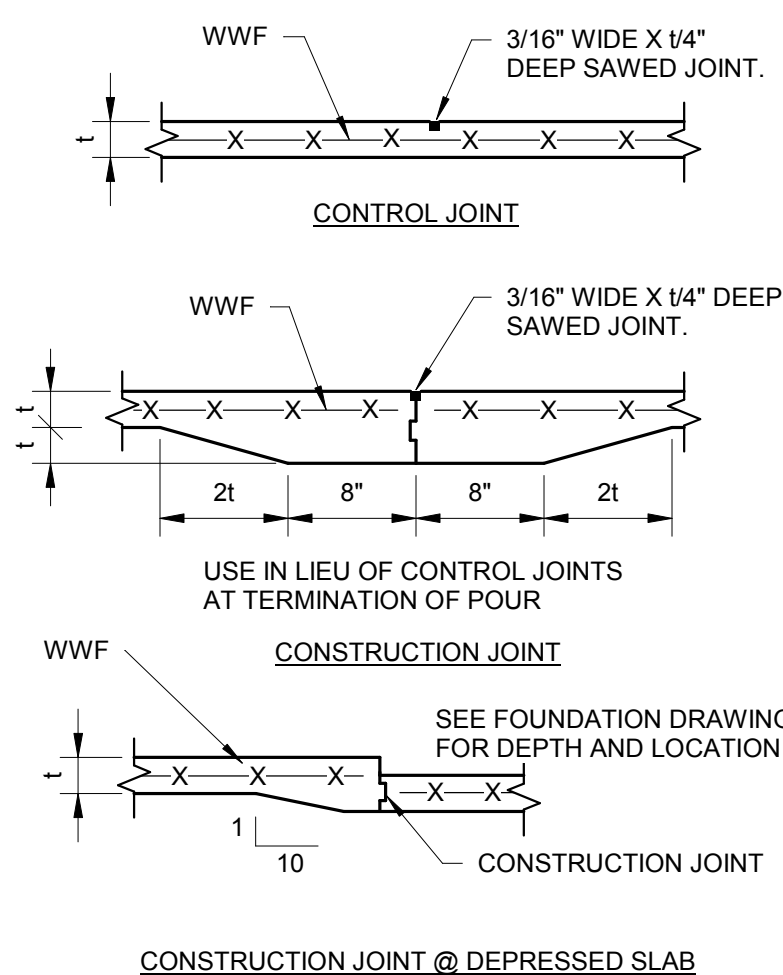
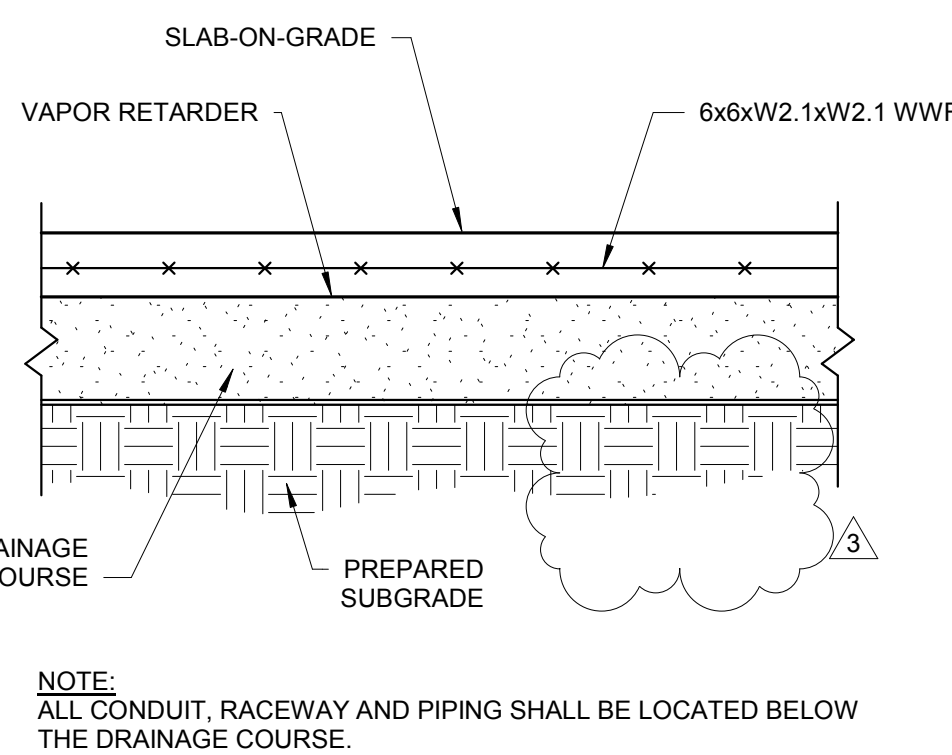
NO.

3

REVISION

Addendum #03

CONCRETE COVER REQUIREMENTS	
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH, OR WEATHER	2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS BEAMS & COLUMNS	1" 1 1/2"

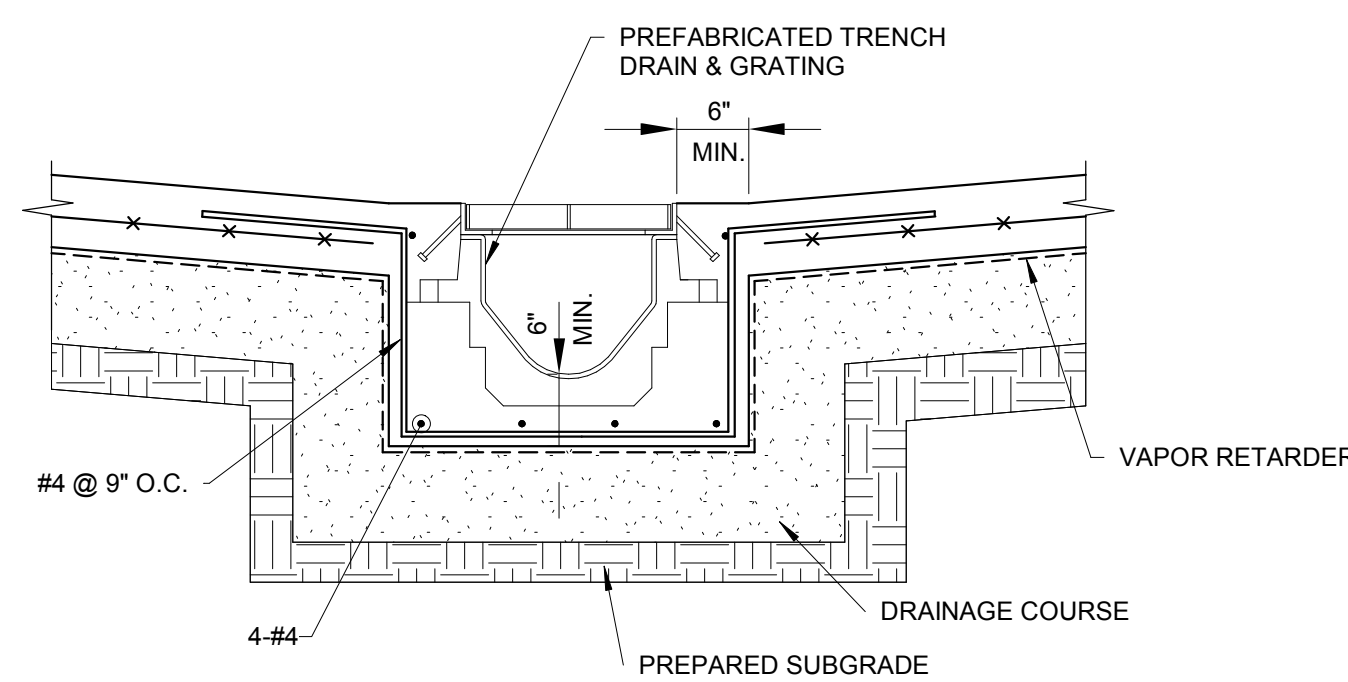


2 CONCRETE COVER REQUIREMENTS

3 OVEREXCAVATION DETAIL

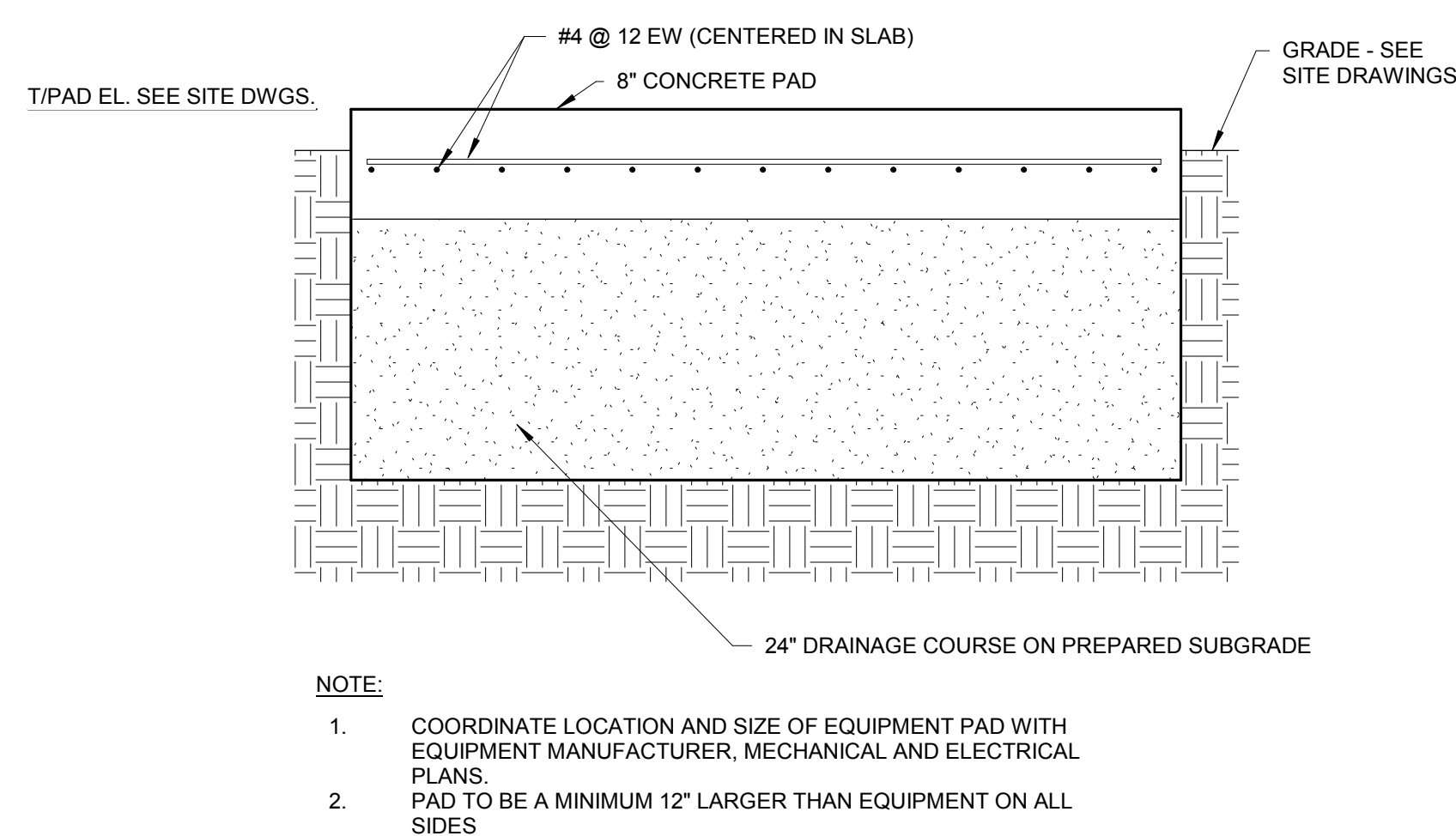
4 TYPICAL SLAB-ON-GRADE DETAIL
S-530 SCALE: NTS

5 SLAB CONTROL/CONSTRUCTION JOINT
S-530 SCALE: NTS

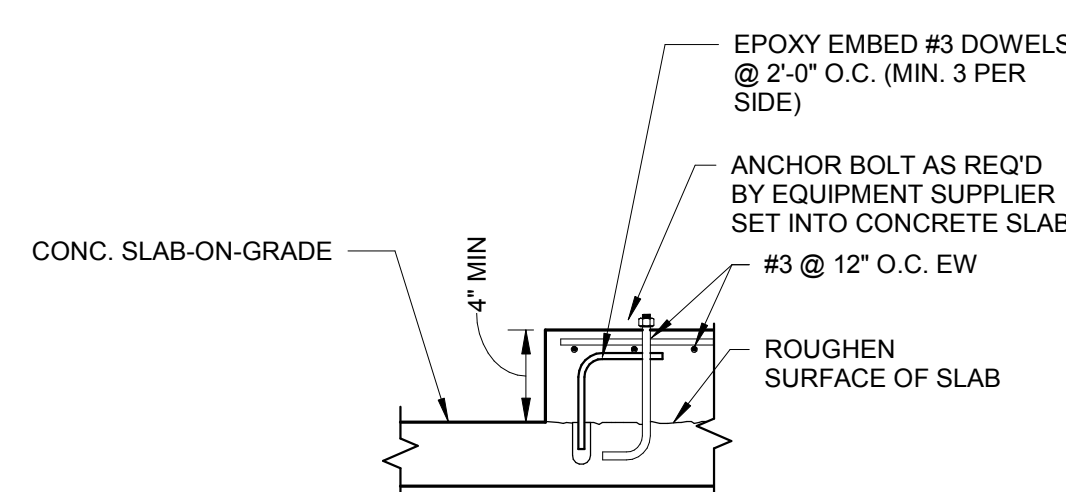


6 TYPICAL REINFORCEMENT AT DISCONTINUOUS JOINT
S-530 SCALE: NTS

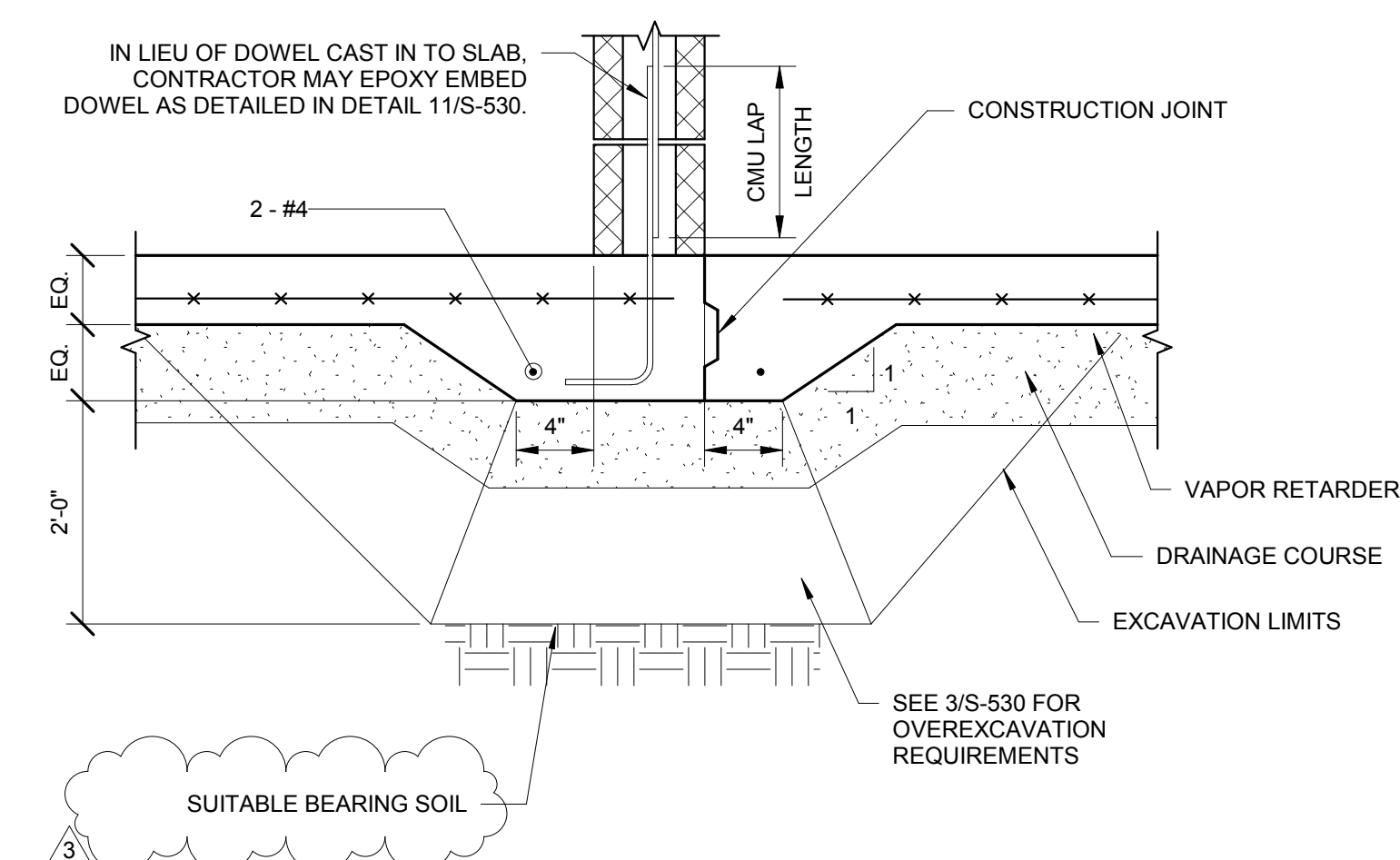
7 TYPICAL TRENCH DRAIN SECTION
S-530 SCALE: NTS



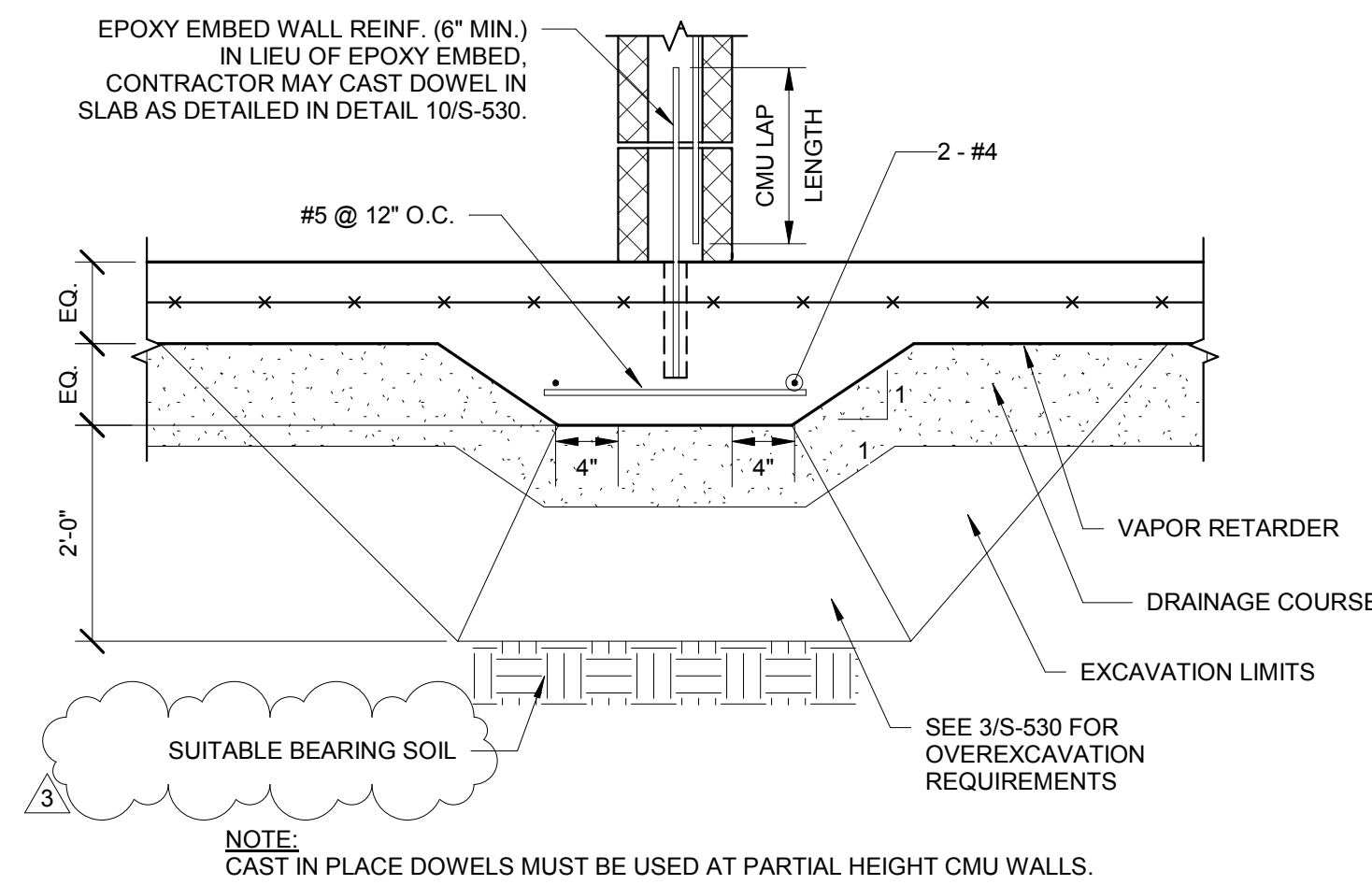
8 TYPICAL EXTERIOR EQUIPMENT PAD DETAIL
S-530 SCALE: NTS



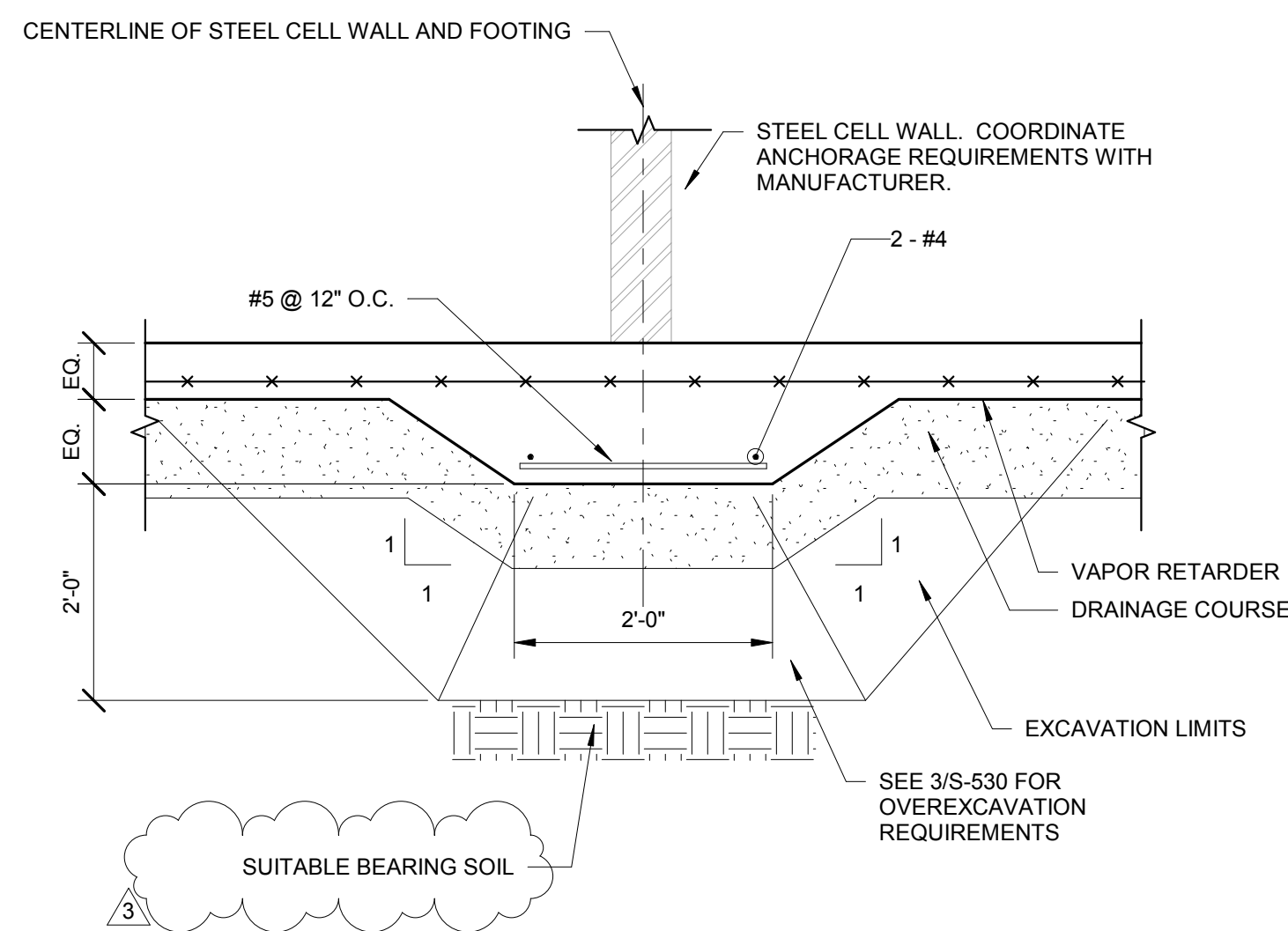
9 TYPICAL INTERIOR CONCRETE EQUIPMENT PAD
S-530 REINFORCING DETAIL
SCALE: NTS



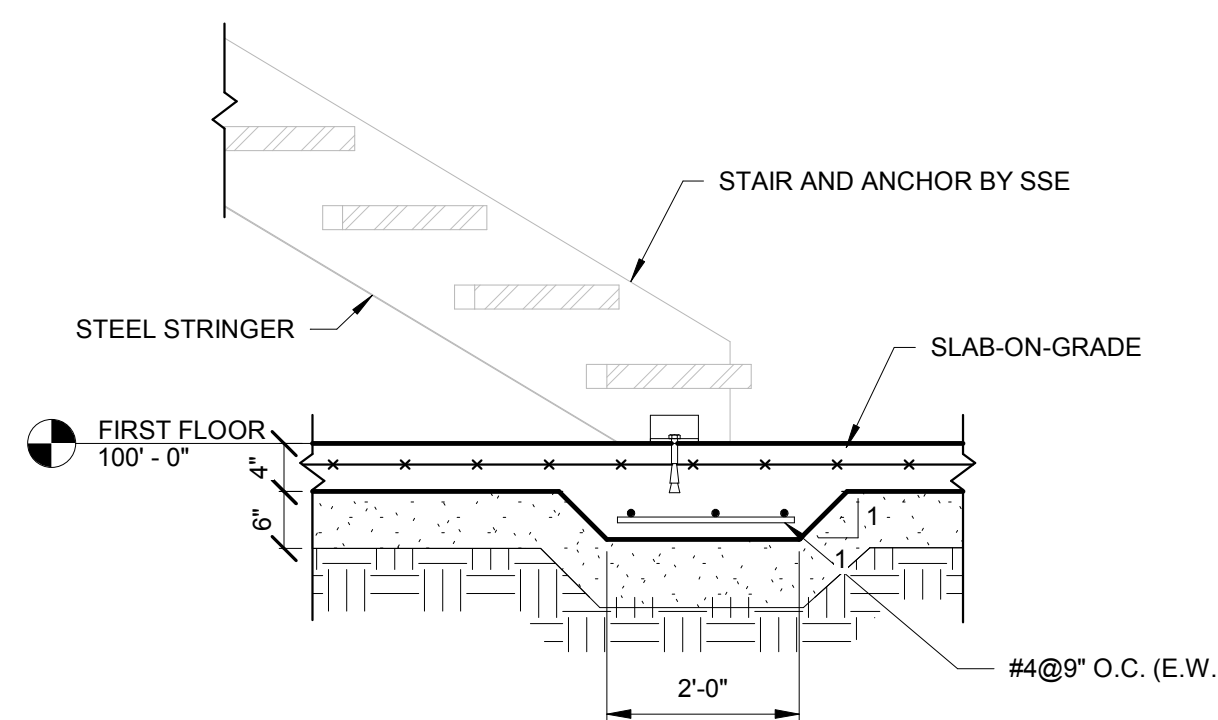
**THICKENED SLAB WITH CONSTRUCTION JOINT
DETAIL**



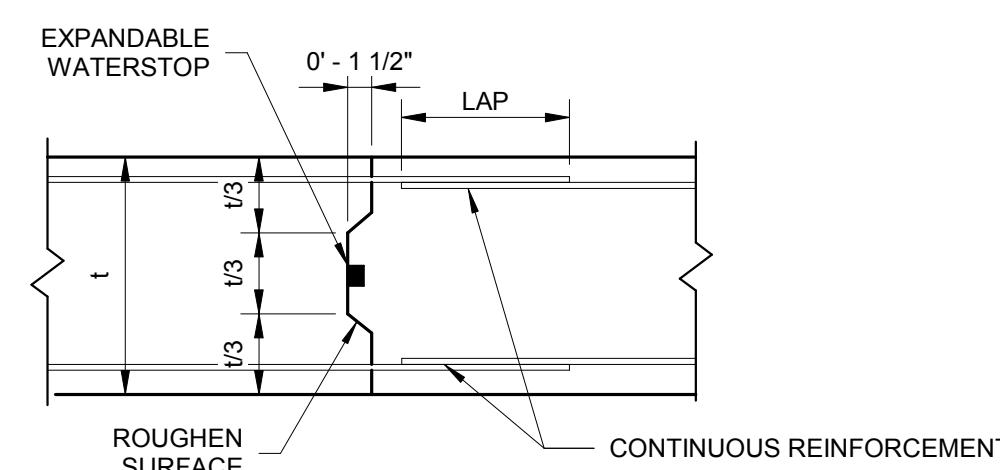
**THICKENED SLAB WITH NO CONSTRUCTION
JOINT DETAIL**



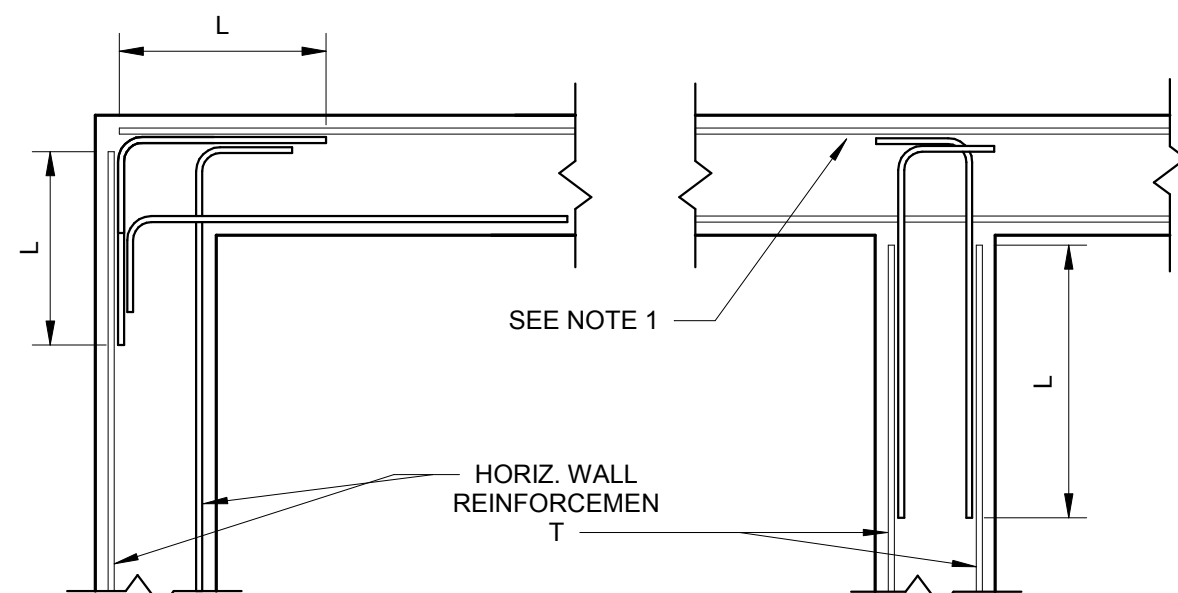
12 THICKENED SLAB AT STEEL CELL
S-530 SCALE: NTS



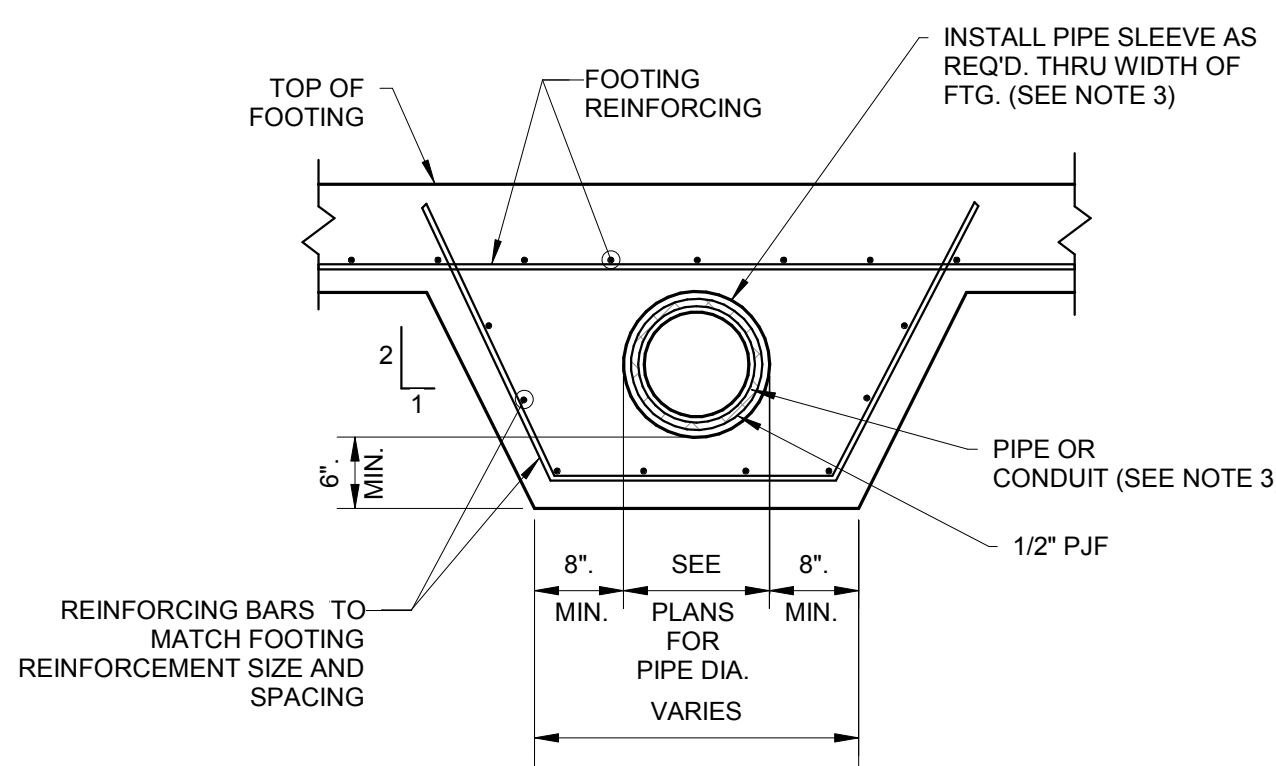
13 TYPICAL SLAB AT STAIR STRINGER
S-530 SCALE: 3/4" = 1'-0"



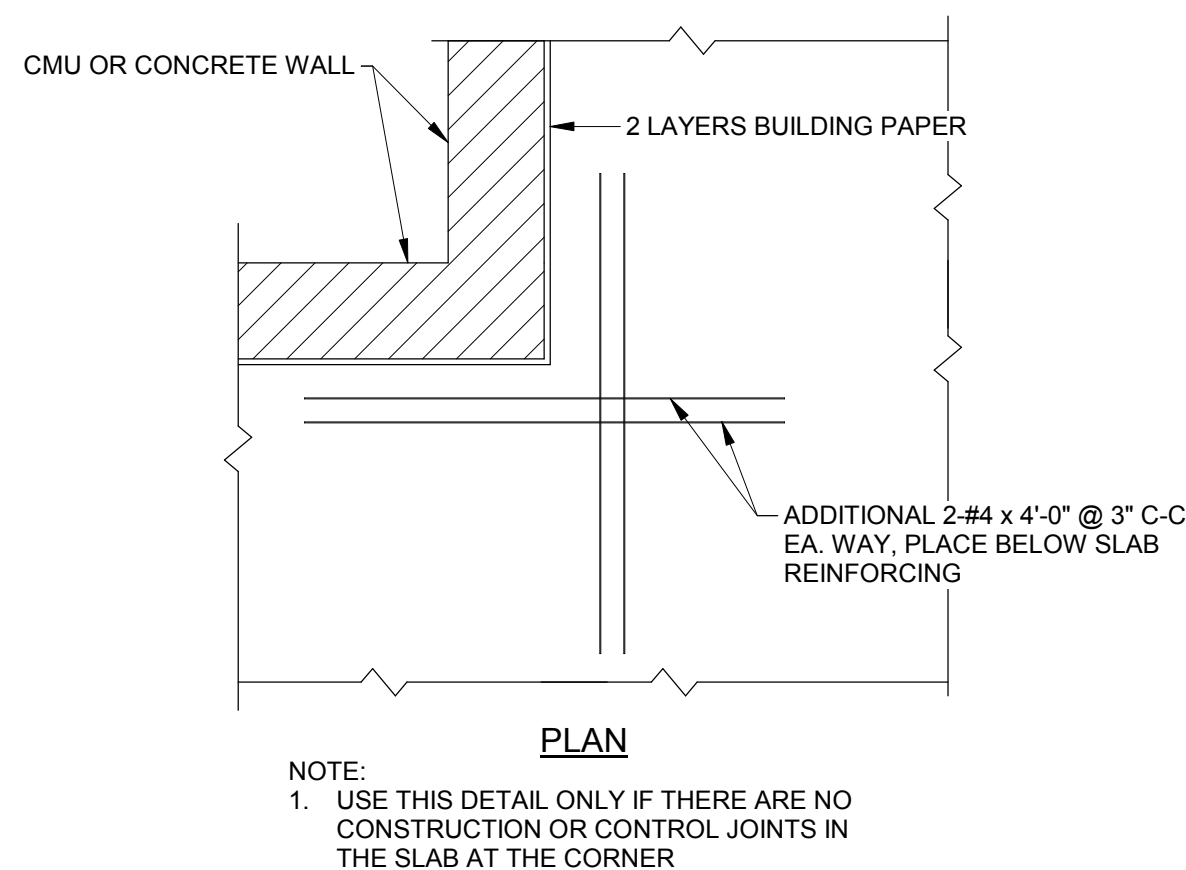
14 CONCRETE WALL OR FOOTING CONSTRUCTION
JOINT DETAIL
S-530 SCALE: NTS



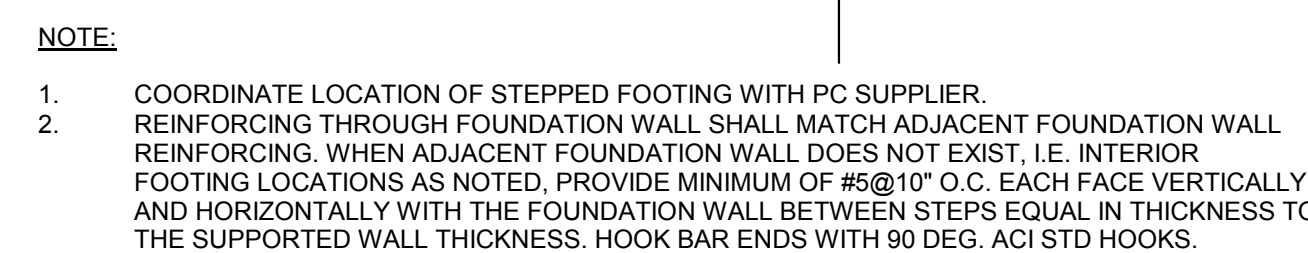
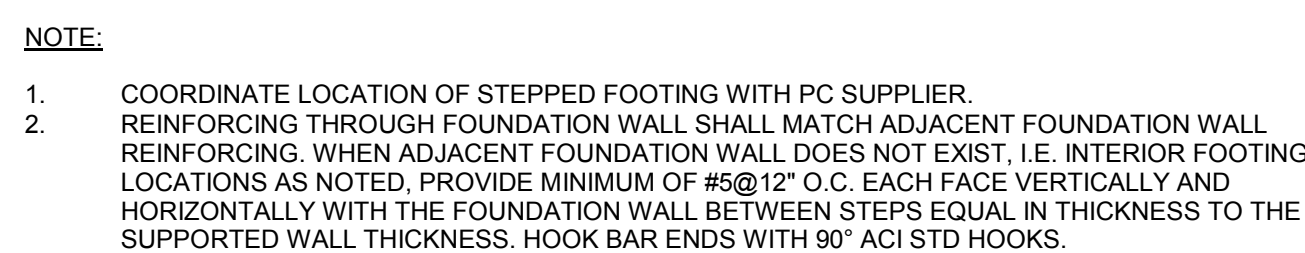
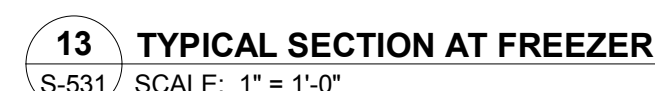
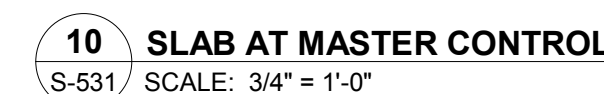
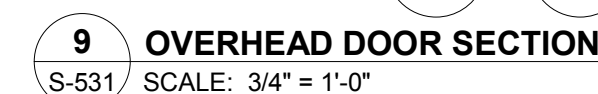
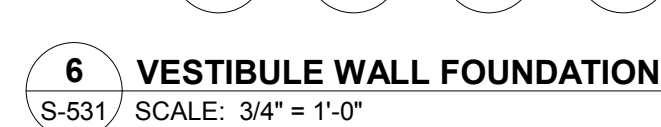
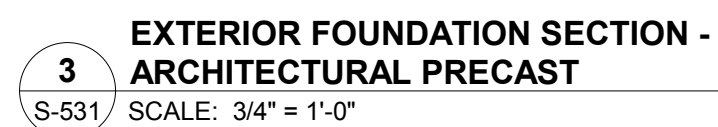
15 STANDARD HORIZONTAL CORNERS AND "T" WALL REINFORCEMENT DETAILS

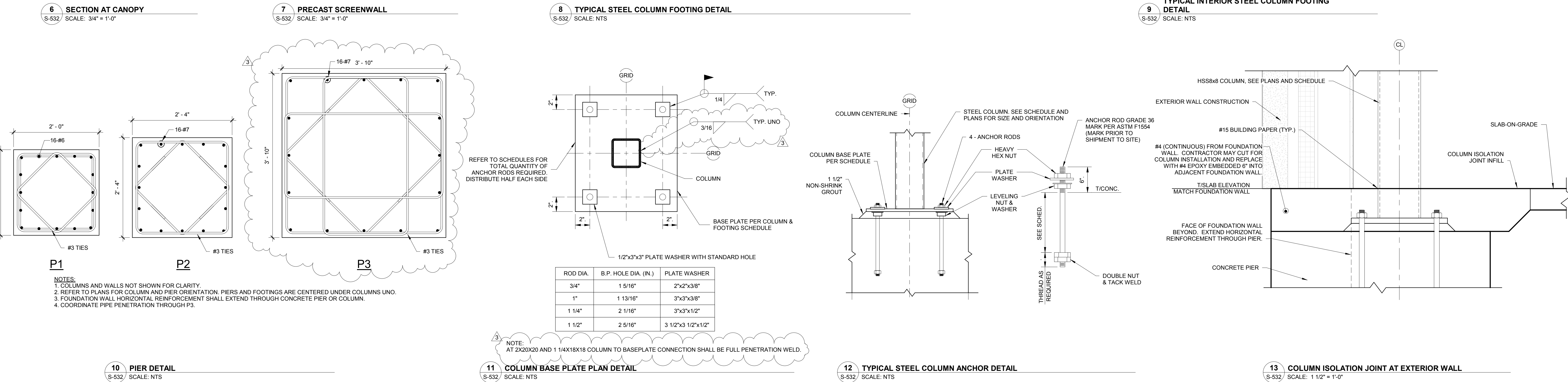
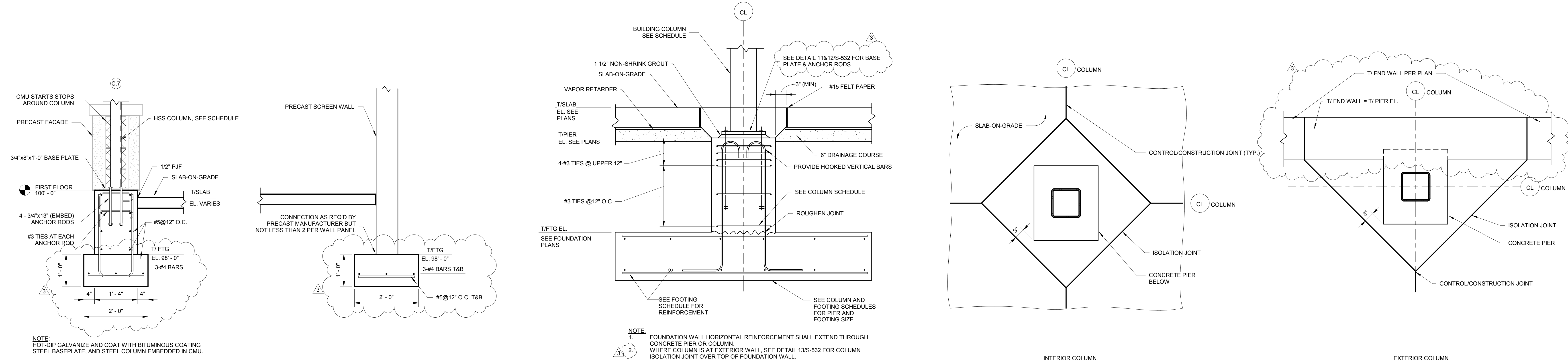
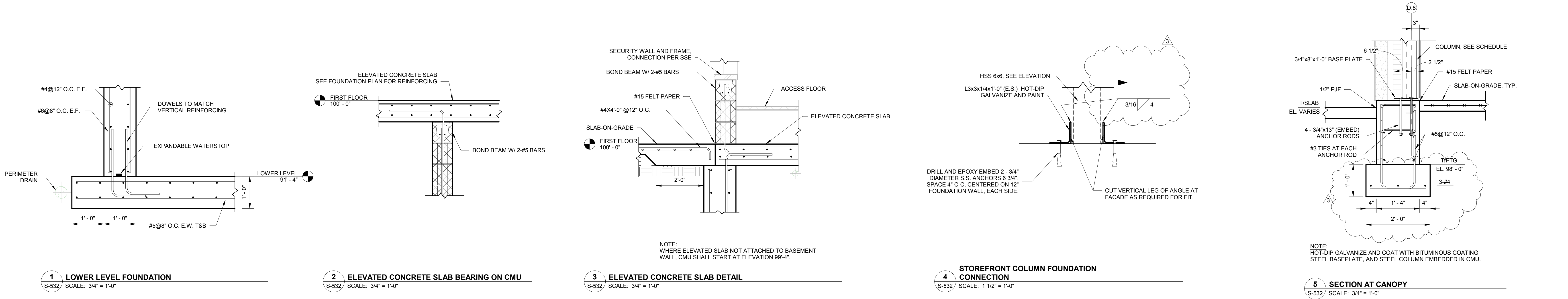


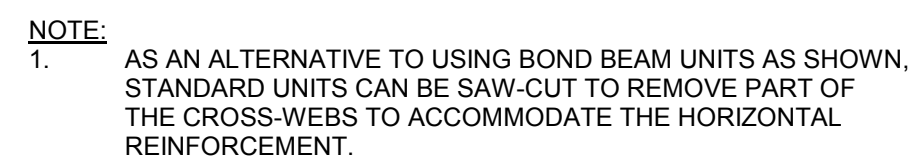
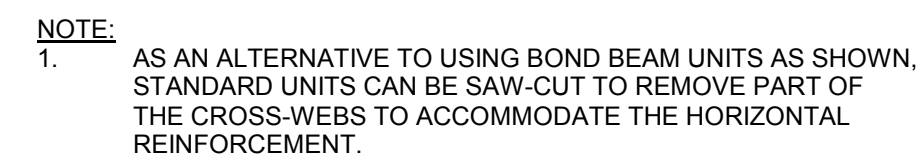
16 INTERSECTION OF UNDERGROUND PIPING WITH
FOUNDATION
S-530 SCALE: NTS



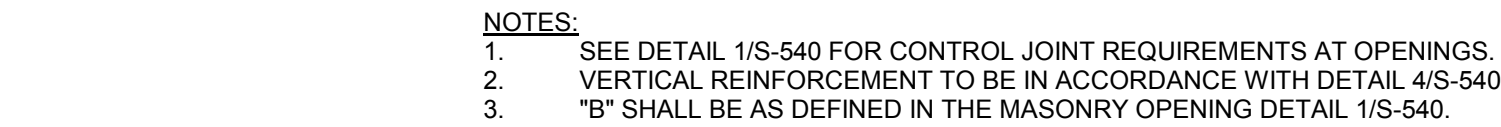
SLAB-ON-GRADE REENTRANT CORNER REINFORCING



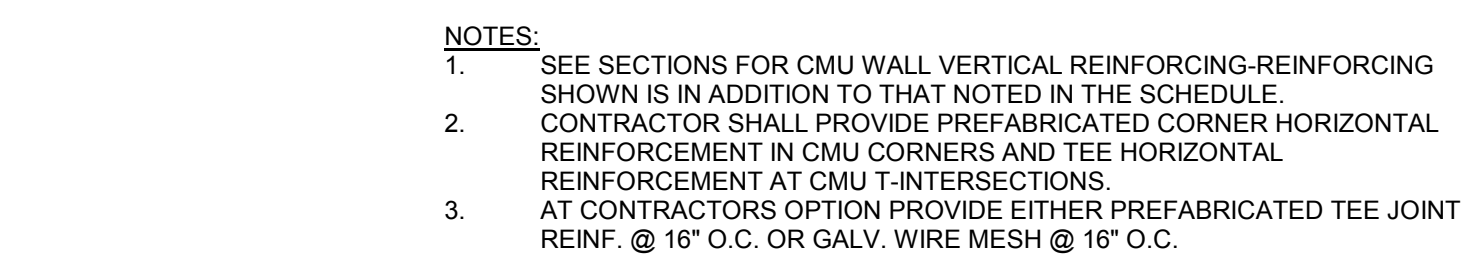
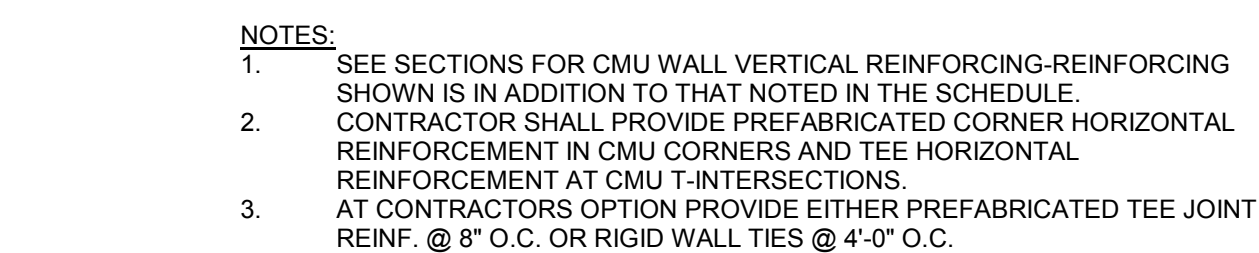
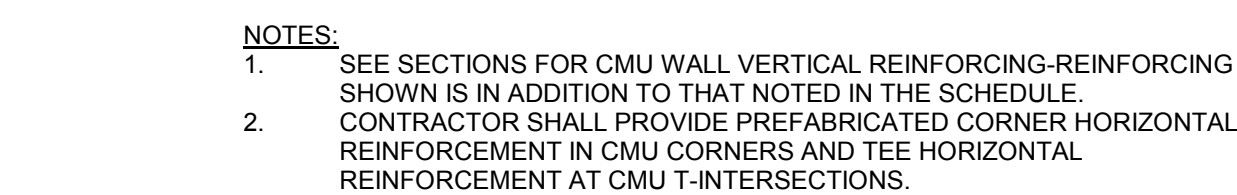




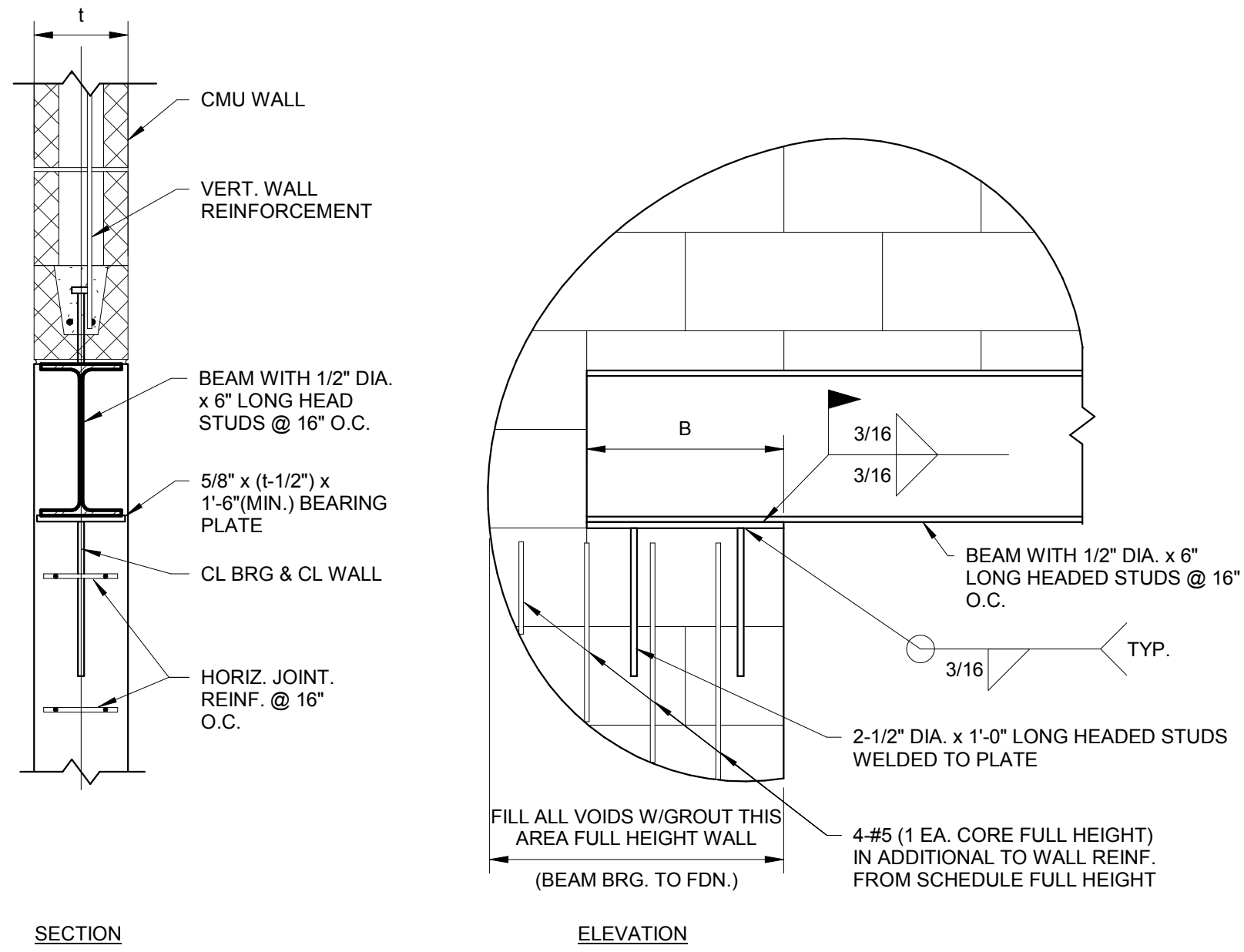
NOTES:
1. FOR NON LOAD-BEARING WALLS, USE ML1 FOR OPENINGS UP TO 4'-0" AND ML2 FOR OPENINGS UP TO 10'-0".



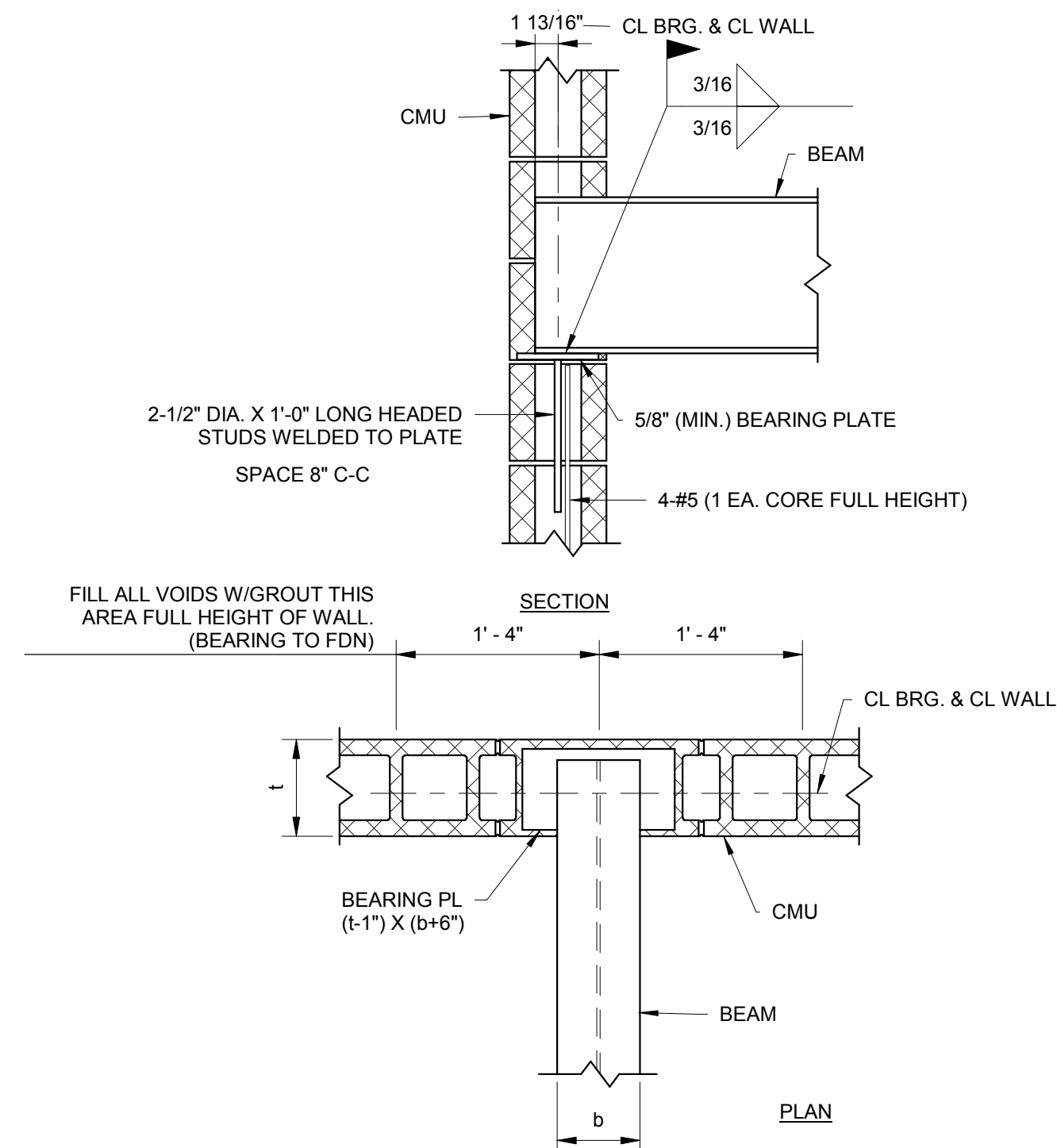
7 CMU LINTELS SCHEDULE
S-540 SCALE: NTS



BAR SIZE	LAP LENGTH	HORIZ. REINF DEVELOPMENT LENGTH	VERTICAL CMU DEVELOPMENT LENGTH			
			12" CMU	10" CMU	8" CMU	6" CMU
#3	15"	12"	12"	12"	12"	12"
#4	20"	22"	13"	13"	13"	18"
#5	25"	36"	20"	20"	20"	28"
#6	30"	73"	38"	38"	38"	-
#7	35"	107"	52"	52"	52"	-
#8	40"	175"	79"	79"	79"	-



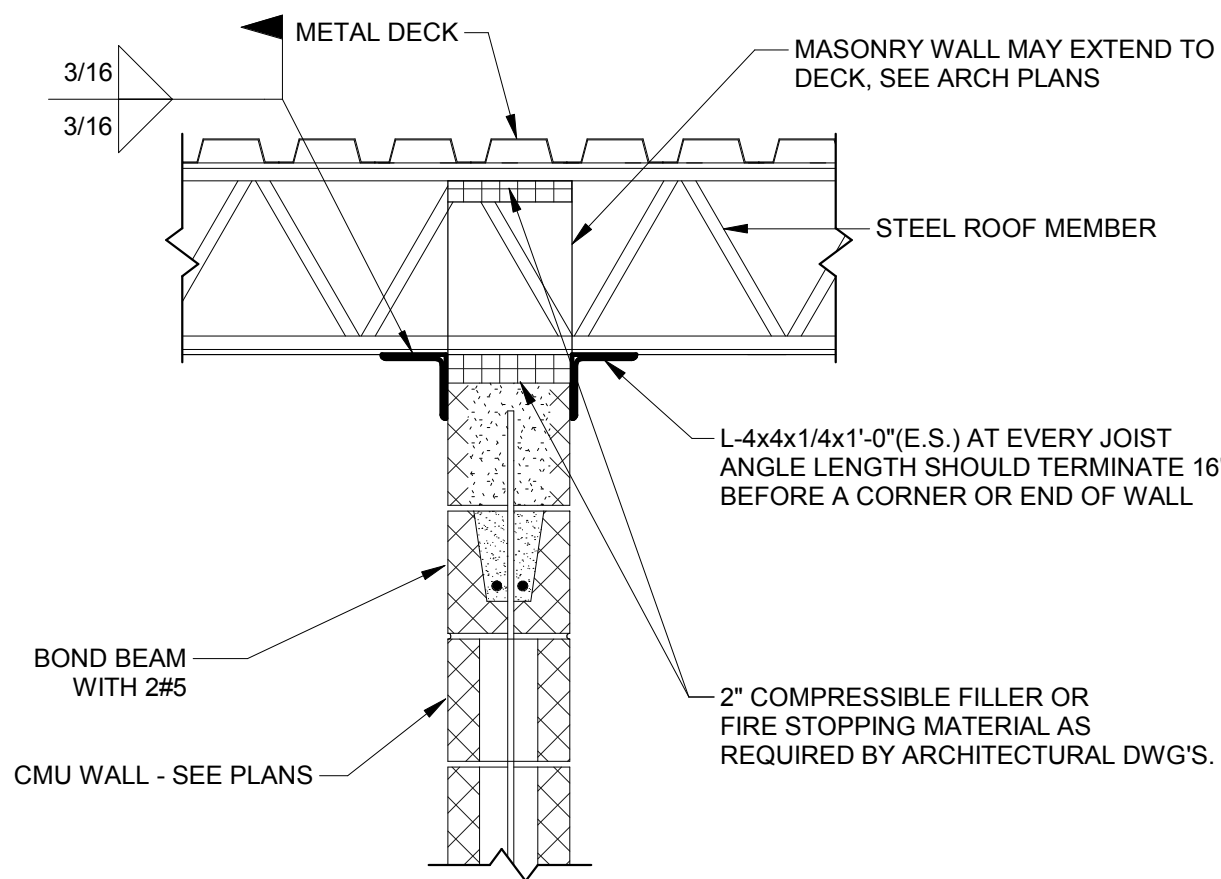
- SECTION
- ELEVATION
- NOTES:
1. PLACEMENT OF VERTICAL CONDUIT SHALL NOT BE ALLOWED IN GROUTED CELLS.
 2. SEE DETAIL 1/S-540 FOR CONTROL JOINT REQUIREMENTS AT OPENINGS.
 3. VERTICAL REINFORCEMENT TO BE IN ACCORDANCE WITH DETAIL 4/S-540.
 4. "B" SHALL BE AS DEFINED IN THE MASONRY OPENING DETAIL 1/S-540.



1 CMU REINFORCING LAP & DEVELOPMENT LENGTH REQUIREMENTS
S-541 SCALE: NTS

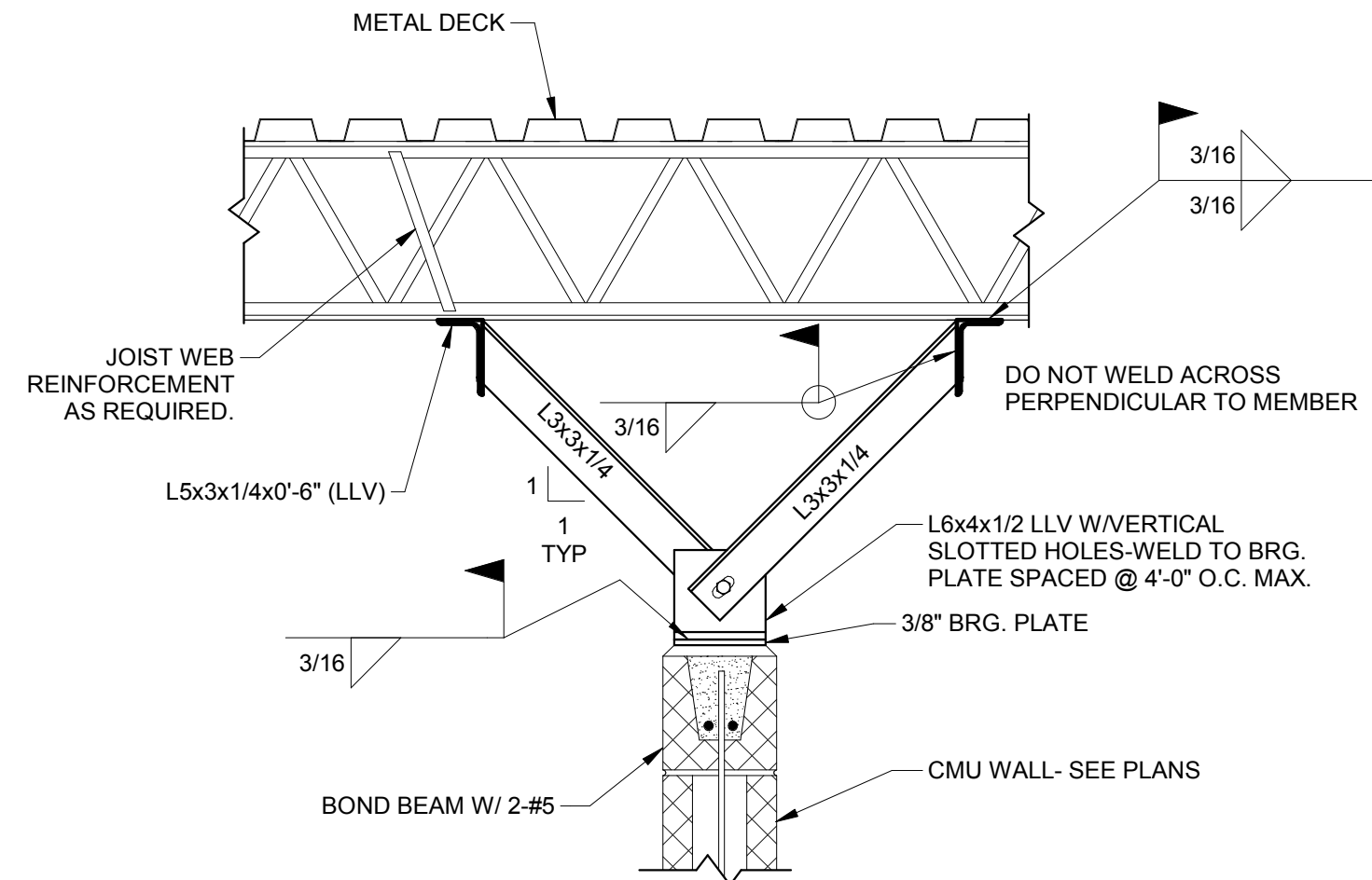
2 TYPICAL STEEL BEAM BEARING ON PARALLEL CMU WALL DETAIL
S-541 SCALE: NTS

3 TYPICAL STEEL BEAM BEARING ON PERPENDICULAR CMU WALL DETAIL
S-541 SCALE: NTS



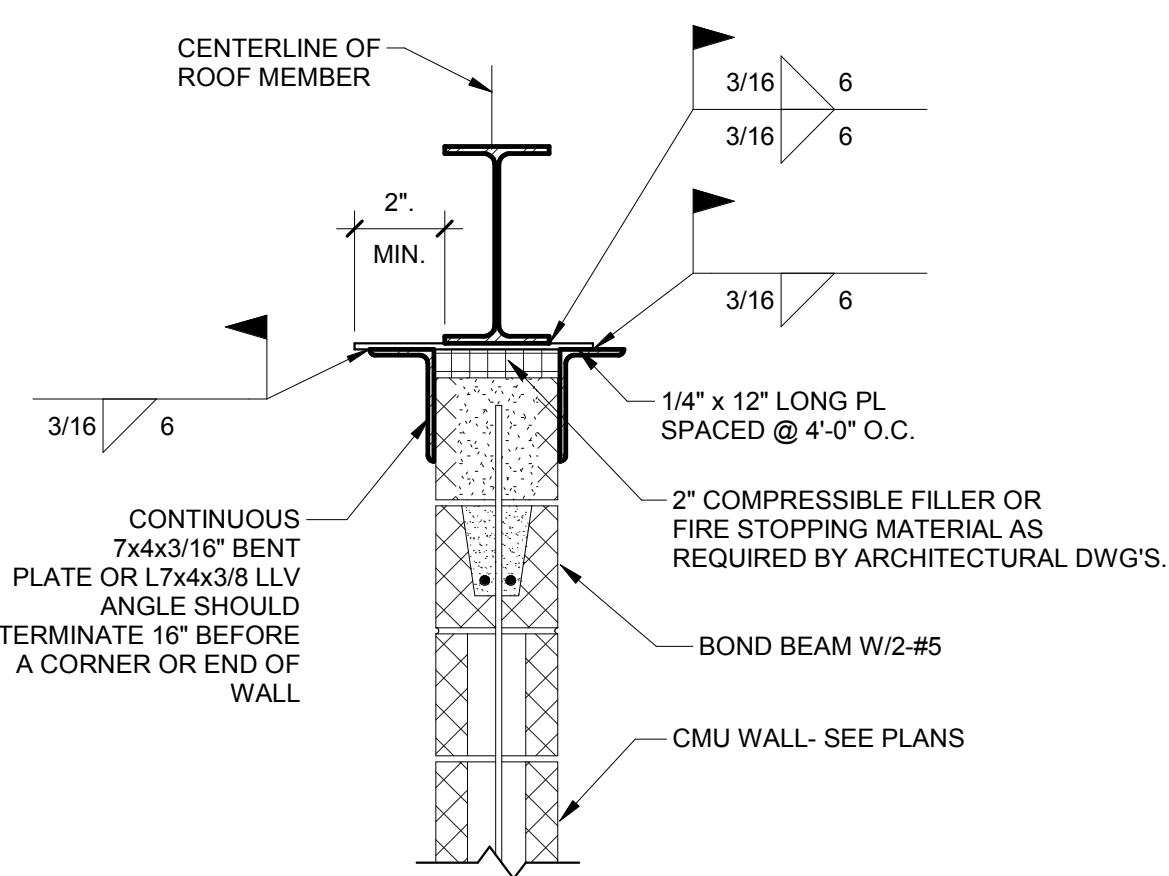
- NOTE:
1. THIS DETAIL DOES NOT APPLY TO WALLS WHICH HAVE LESS THAN 15 FT CLEAR BETWEEN INTERSECTING OR CORNER CMU WALLS.
 2. A PRECAST WALL CAN NOT BE CONSIDERED AN INTERSECTING OR CORNER WALL.

4 TYPICAL CMU WALL ATTACHMENT TO STEEL DETAIL - WALL PERPENDICULAR TO MEMBER
S-541 SCALE: NTS



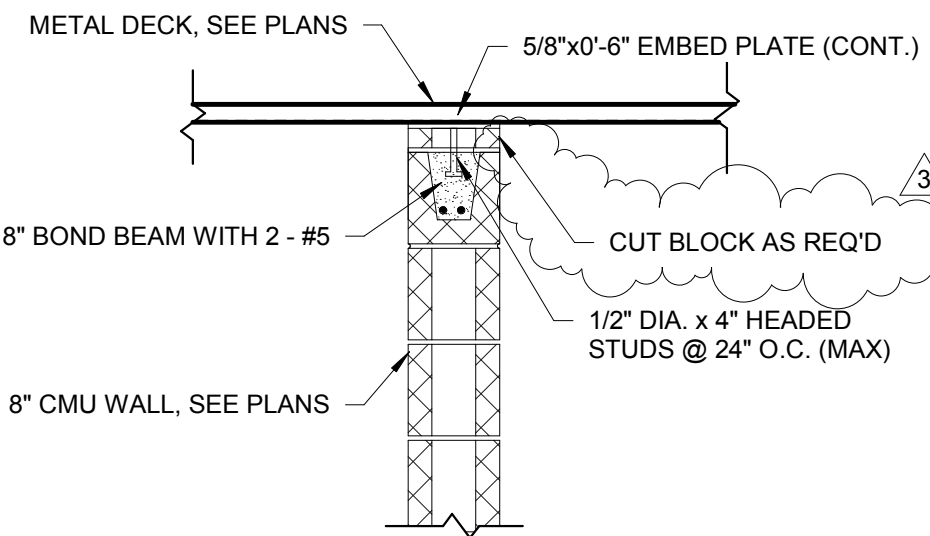
- NOTE:
1. THIS DETAIL DOES NOT APPLY TO WALLS WHICH HAVE LESS THAN 15 FT CLEAR BETWEEN INTERSECTING OR CORNER CMU WALLS.
 2. A PRECAST WALL CAN NOT BE CONSIDERED AN INTERSECTING OR CORNER WALL.

5 TYPICAL CMU WALL ATTACHMENT TO STEEL DETAIL - WALL NOT EXTENDED TO UNDERSIDE OF DECK
S-541 SCALE: NTS



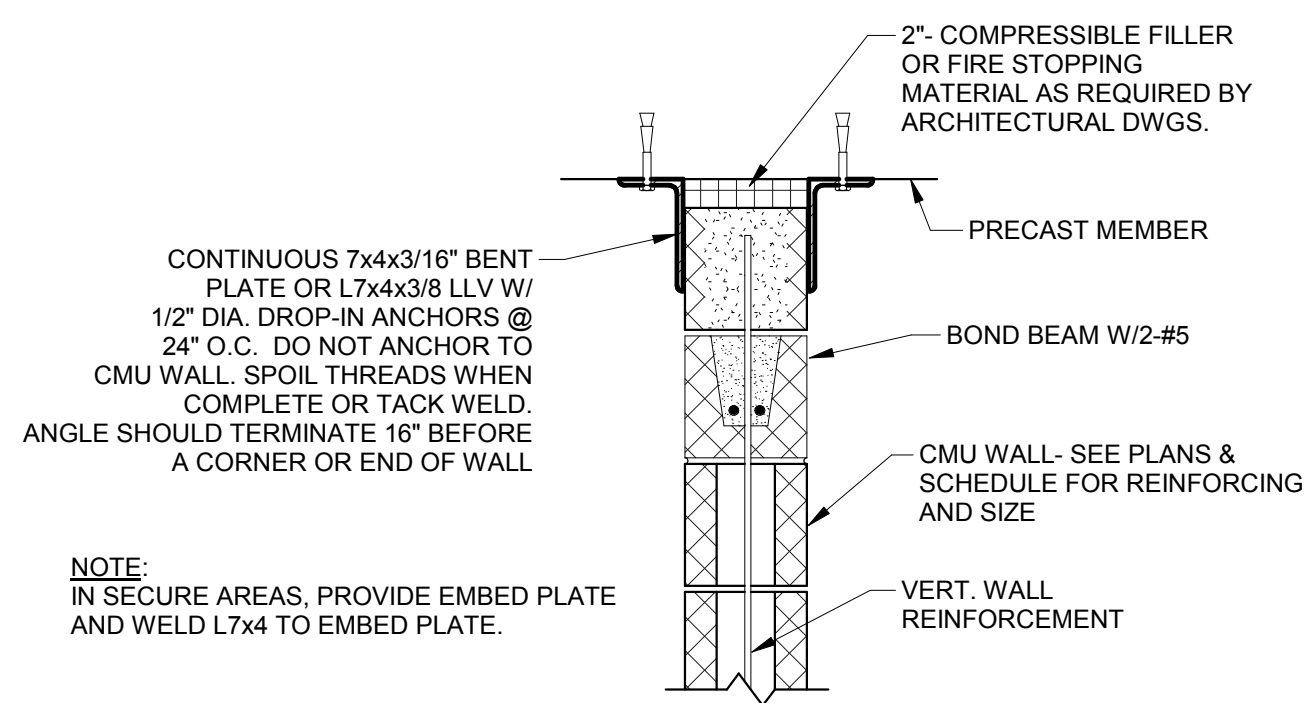
- NOTE:
1. WALL AND MEMBER CENTER LINE MAY BE OFFSET 8" MAX.
 2. THIS DETAIL DOES NOT APPLY TO WALLS WHICH HAVE LESS THAN 15 FT CLEAR BETWEEN INTERSECTING OR CORNER CMU WALLS.
 3. A PRECAST WALL CAN NOT BE CONSIDERED AN INTERSECTING OR CORNER WALL.

6 TYPICAL CMU WALL ATTACHMENT TO STEEL DETAIL - WALL PARALLEL TO UNDERSIDE OF MEMBER
S-541 SCALE: NTS



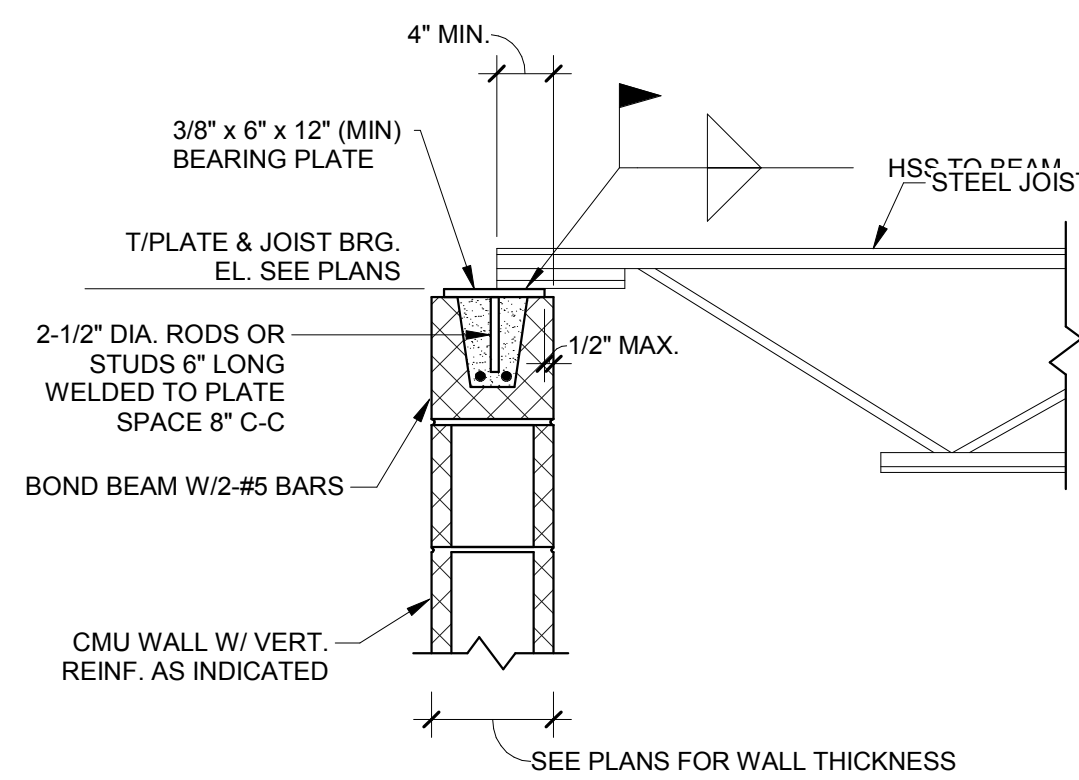
- NOTE:
1. PROVIDE AT ALL CMU WALLS SUPPORTING ROOF DECK

7 TYPICAL LOAD BEARING CMU WALL ATTACHMENT TO STEEL DECK
S-541 SCALE: 3/4" = 1'-0"



- NOTE:
1. THIS DETAIL DOES NOT APPLY TO WALLS WHICH HAVE LESS THAN 15 FT CLEAR BETWEEN INTERSECTING OR CORNER CMU WALLS.
 2. A PRECAST WALL CAN NOT BE CONSIDERED AN INTERSECTING OR CORNER WALL.

8 TYPICAL TOP OF NON-BEARING CMU WALL ATTACHMENT TO PRECAST DETAIL
S-541 SCALE: NTS



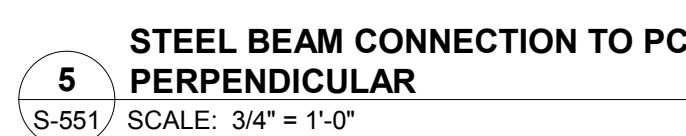
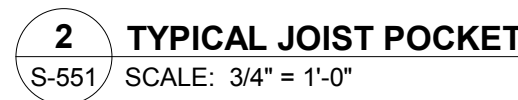
- NOTES:
1. STAGGER JOISTS AS NECESSARY TO ALLOW FOR REQUIRED BEARING AND JOIST PLACEMENT.
 2. WHERE PARAPET IS PROPOSED EXTEND CMU WALL AND REINFORCEMENT TO TOP OF PARAPET ELEVATIONS INDICATED ON ARCHITECTURAL DRAWINGS WITH BOND BEAM AND 2-#5 CONTINUOUS AT THE TOP OF THE PARAPET WALL. SEE DETAIL 7/S-541 FOR CMU WALL CONNECTION BETWEEN JOISTS.

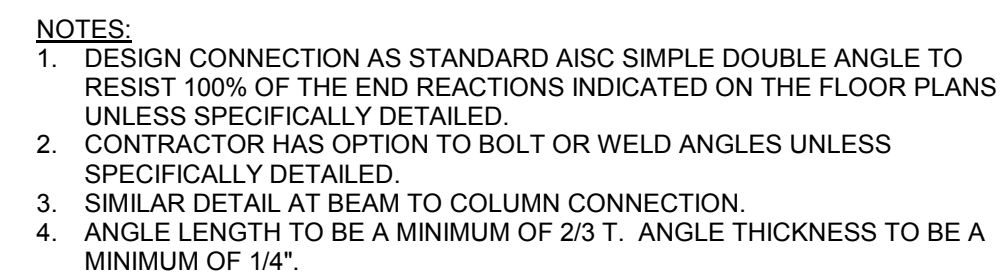
9 STEEL JOIST BEARING ON CMU
S-541 SCALE: NTS

NO.	REVISION	DATE
3	Addendum #03	09/26/19

VIGO COUNTY SECURITY CENTER	TYPICAL MASONRY DETAILS AND SECTIONS - 2
A NEW	
DRAWN: VVR	CHKD: CVAN
DESIGNED: VVR	APPRVD: CVAN
DATE: September 5, 2019	PROJECT NUMBER
TERRE HAUTE, INDIANA	1663-1190-90

DRAWING NUMBER	STRUCTURAL
S-541	





3/4" COLUMN CAP PLATE. SEAL WELD.

3-3/4" DIA. A325-X BOLTS

W-BEAM

1/2" CONNECTION PLATE

C/J.P (TYP. TOP & BOT.)

3-3/4" DIA. A325-X BOLTS

W-BEAM

1/2" CONNECTION PLATE

COLUMN

5/16

5/16

2 1/2"

2"

1'-0"

3-3/4" DIA. A325-X BOLTS

The drawing consists of two views: a Plan view (top) and a Section view (bottom).

Plan View: Shows the top-down connection of a horizontal L5x5x1/16 beam to a vertical L6x3 1/2x5/16 (LLV) beam. The connection is made using four Cope Vertical Legs (TYP. 4 PLACES) and four L6x3 1/2x5/16 (LLV) (TYP. 4 PLACES). The centerline of the joist or beam is indicated. Dimensions include 3/16 (TYP.) for the leg thickness, 2@6 (TYP.) for the spacing of the vertical legs, and 1/8 (TYP.) for the gap between the legs. The text "SEE PLANS" is also present.

Section View: Shows the side view of the connection. The L5x5x1/16 beam is shown with its vertical legs turned down for roof drains and skylights. The L6x3 1/2x5/16 (LLV) beam is shown with its vertical legs turned up. The connection is made using four Cope Vertical Legs (TYP. 4 PLACES) and four L6x3 1/2x5/16 (LLV) (TYP. 4 PLACES). The text "FOR ROOF DRAIN AND SKYLIGHTS TURN VERT. LEGS DOWN" is present. The section view also shows the METAL DECK and the ROOF JOIST OR BEAM. The text "SEE NOTE 2" is present.

20GA. x 9" FLAT PLATE (CONT.) SCREW
TO METAL DECK @ 24" O.C. (MAX)

HSS 2 1/2 x 2 1/2 x 1/4 (CONT.)
HSS 5x3x1/4 @ LH-JOISTS.

2-12
2-12

T/STEEL BEAM
EL. SEE FRAMING PLANS

METAL DECK

W-BEAM

STEEL JOIST

Figure 1: Typical Deck Detail. This cross-sectional diagram illustrates the assembly of a steel joist, W-beam, metal deck, and T/steel beam. The W-beam is positioned between two steel joists. The metal deck is on top of the W-beam. The T/steel beam is on top of the metal deck. A 3-inch minimum gap is shown between the W-beam and the metal deck. The T/steel beam is shown with a 3/16 inch thick flange and a 3/16 inch thick web. The diagram is labeled 'TYP.' for typical.

METAL DECK, SEE PLANS

STEEL JOIST, SEE PLANS

T/BEAM 126" - 5"

TROLLEY BEAM

1 TON CAPACITY (MAX) TROLLEY

SKYLIGHT

COLD-FORMED CURB WALL WITH STUDS LOCATED AT EACH CG

RIGID CANTILEVER CONNECTION TO PLATE

METAL DECK 3/16"

3X3X3/8"x6" AT HSS 10X2

HSS 10X2X3/8"

SECURITY BARRIER

3/16" (TYP EACH END)

3/16"

CONTINUOUS 16X4X3/8" (LLH) ALIGN VERTICAL LEG WITH FINISH FACE OF WALL BELOW

6X8X2X8" IN FLUTES OF DECK SPACE @ 12" O.C. MAX (LEGS TURNED DOWN & WELDED TO JOIST/BEAM THROUGH DECK)

STEEL JOIST, SEE PLANS

Diagram illustrating the elevation view of a roof curb assembly. The components are labeled as follows:

- ROOF CURB, BY OTHERS
- METAL DECK, SEE PLANS
- W-BEAM, SEE PLANS
- ROOF CAP, PER SSE

SKYLIGHT

COLD FORMED SKYLIGHT CURB

RIGID CANTILEVER STUD CONNECTION TO C12X20.7

CONTINUOUS L6X6X3/8 ALIGN VERTICAL LEG WITH FINISH FACE OF WALL BELOW HSS 10X2X3/8

3/16 3@12

METAL DECK

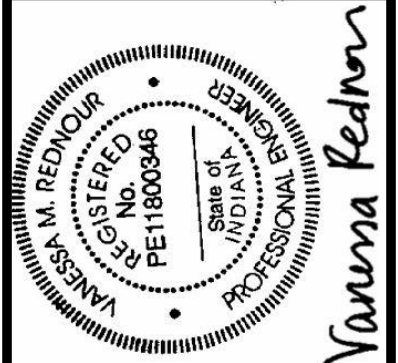
HIGH ROOF JOIST BEARING 126" - 6"

SECURITY BARRIER 3/16 3/16 (TYP) END

W8 BEAM

STEEL JOIST

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NO.	REVISION	DATE
2	Addendum #02	09/10/19
3	Addendum #03	09/26/19

DRAWN: VMR	CHKD: BMW
DESIGNED: VMR	
APPRVD: CMAN	
DATE: September 5, 2019	
PROJECT NUMBER	
1663-1190-90	

A NEW
VIGO COUNTY SECURITY CENTER

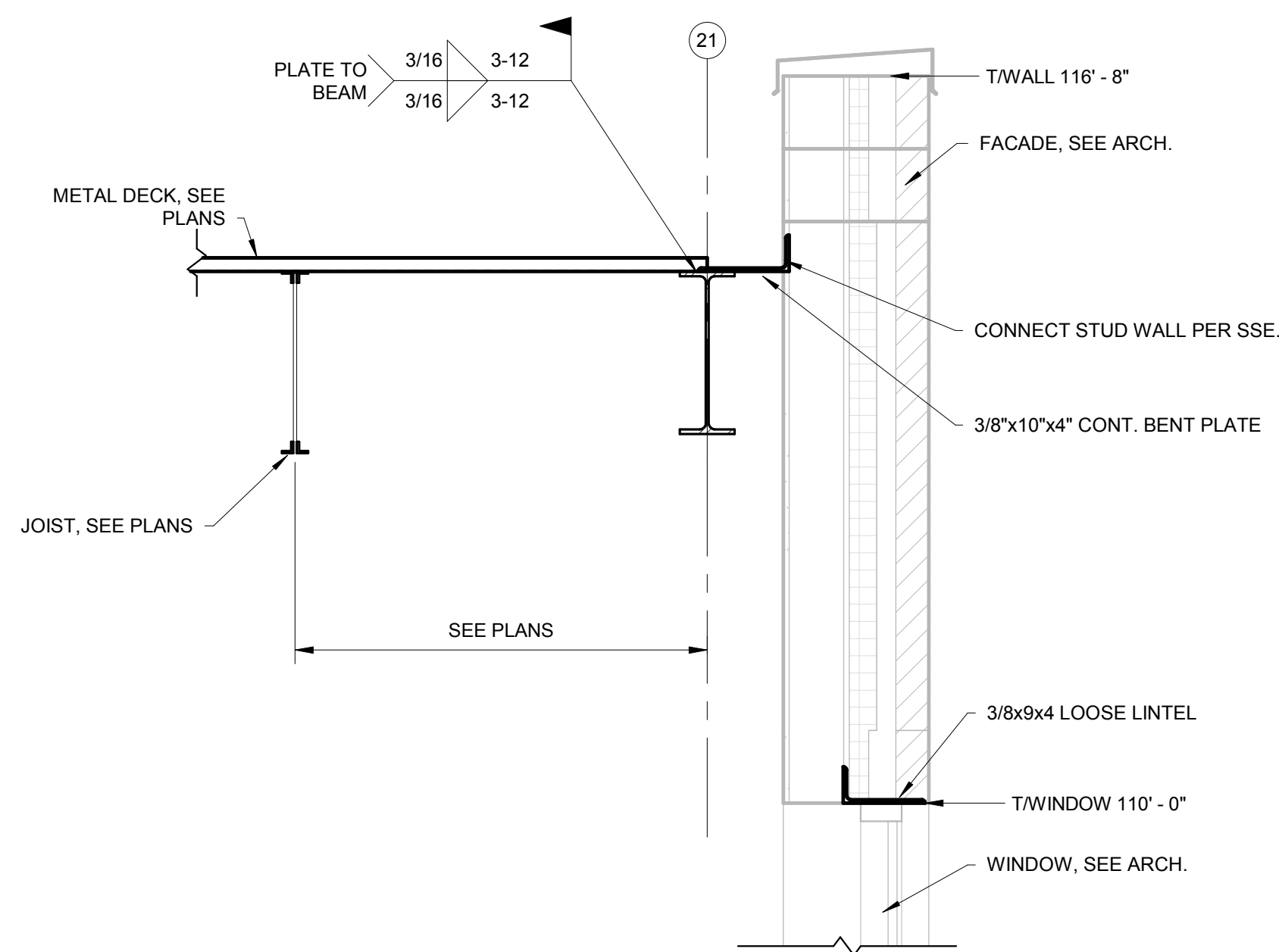
TERRE HAUTE, INDIANA

TYPICAL FRAMING DETAILS AND SECTIONS - 3

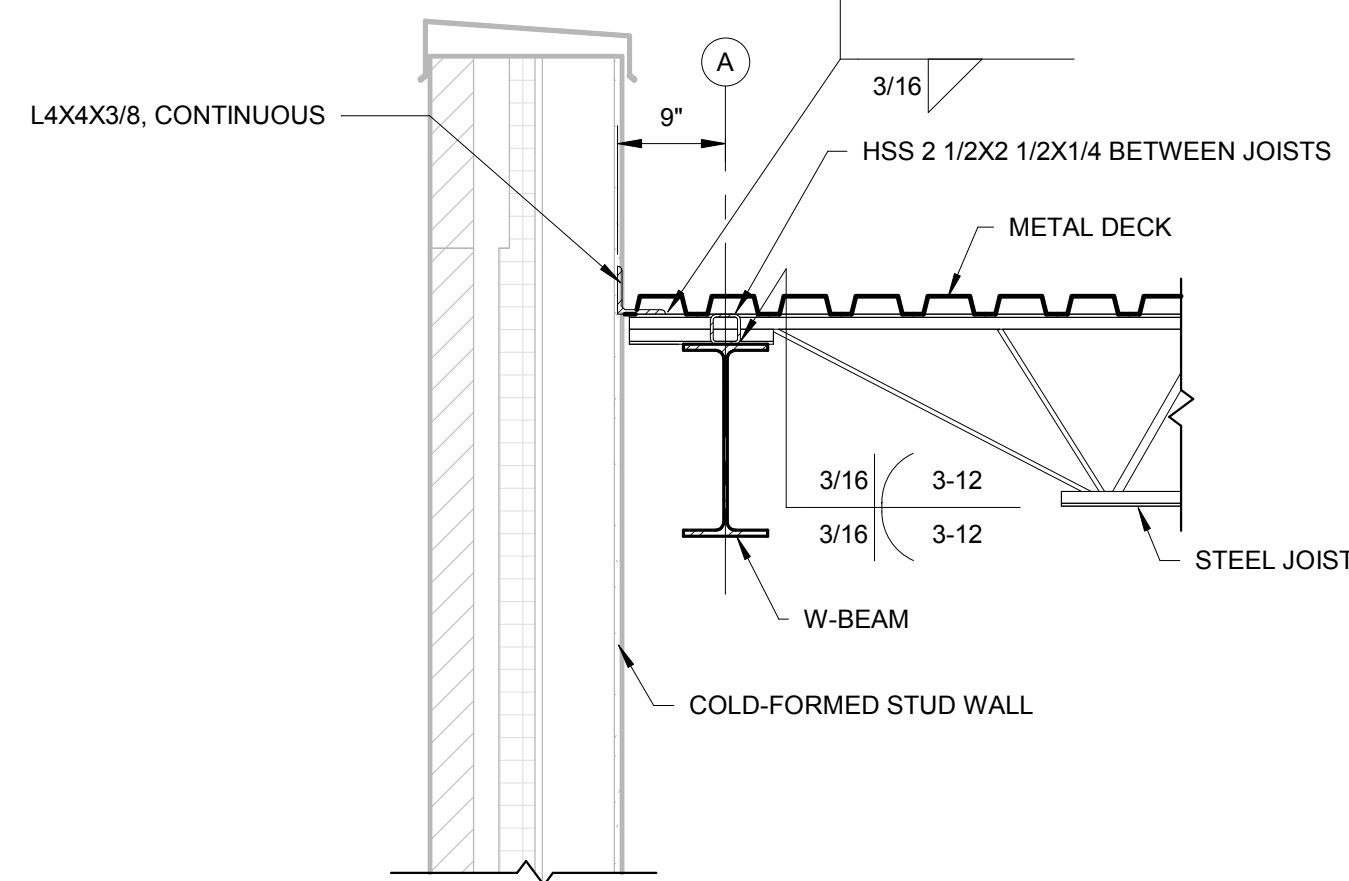
DRAWING NUMBER

S-552

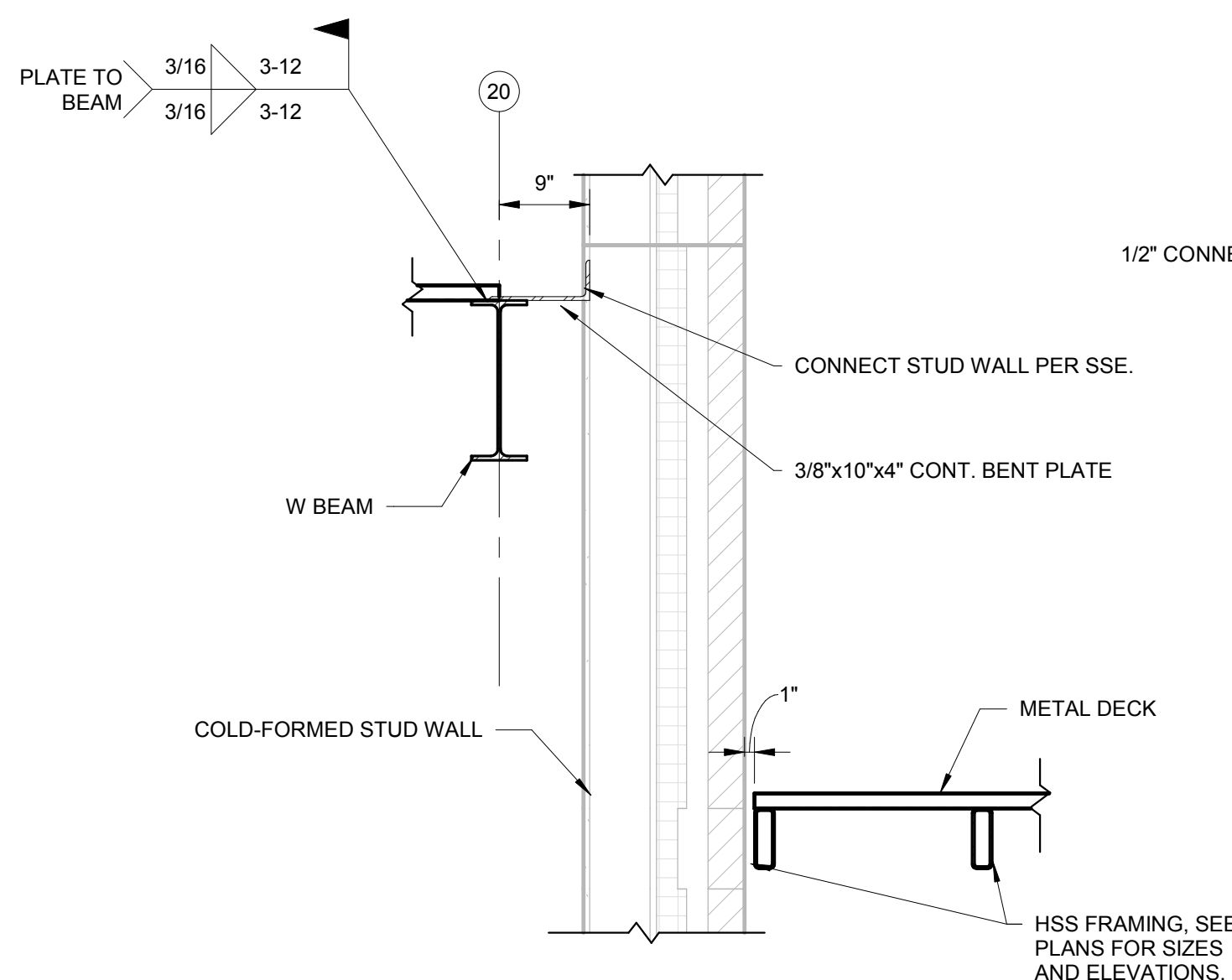
STRUCTURAL



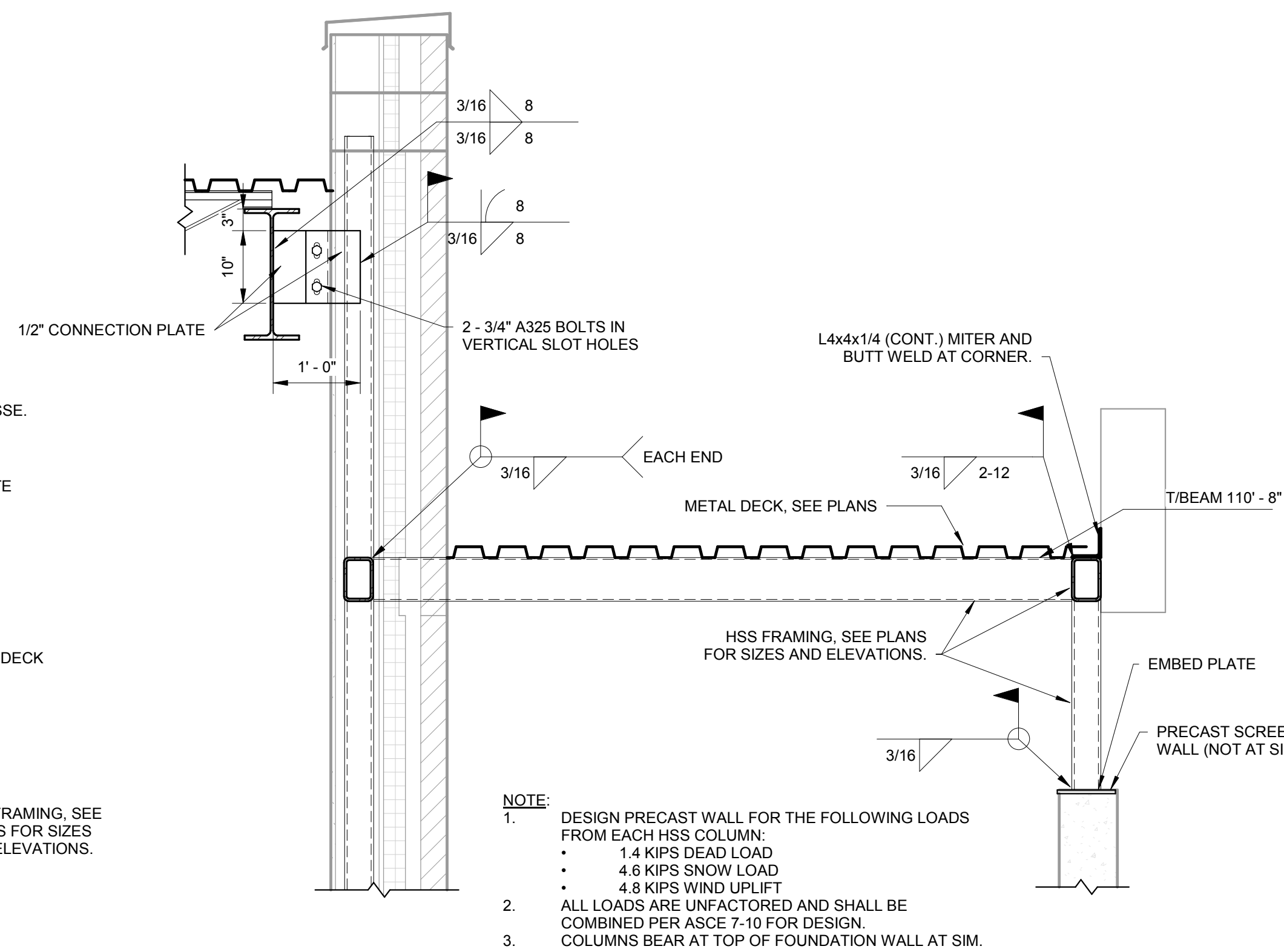
1 SECTION
S-554 SCALE: 3/4" = 1'-0"



2 SECTION
S-554 SCALE: 3/4" = 1'-0"

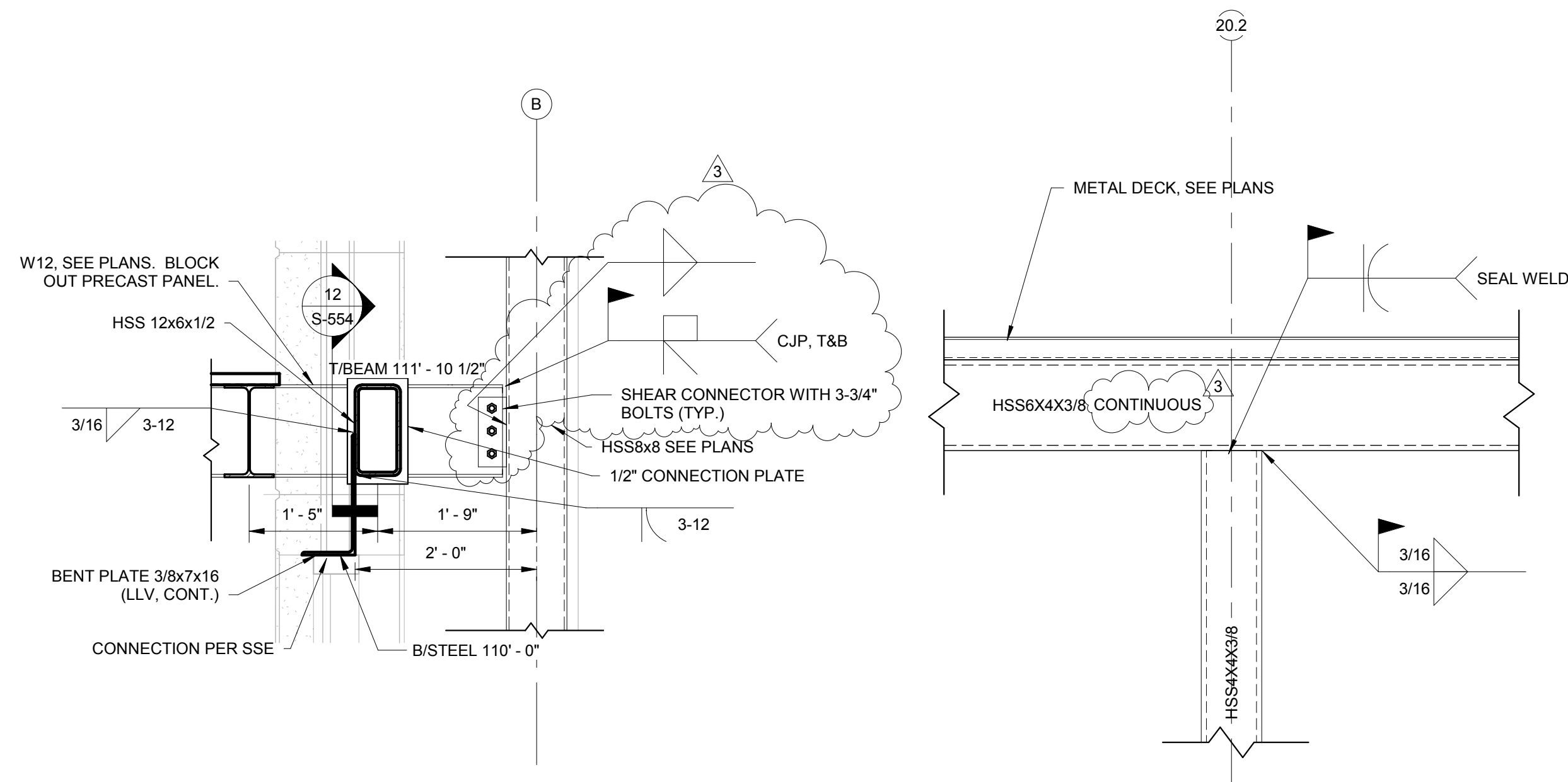


3 SECTION AT CANOPY
S-554 SCALE: 3/4" = 1'-0"

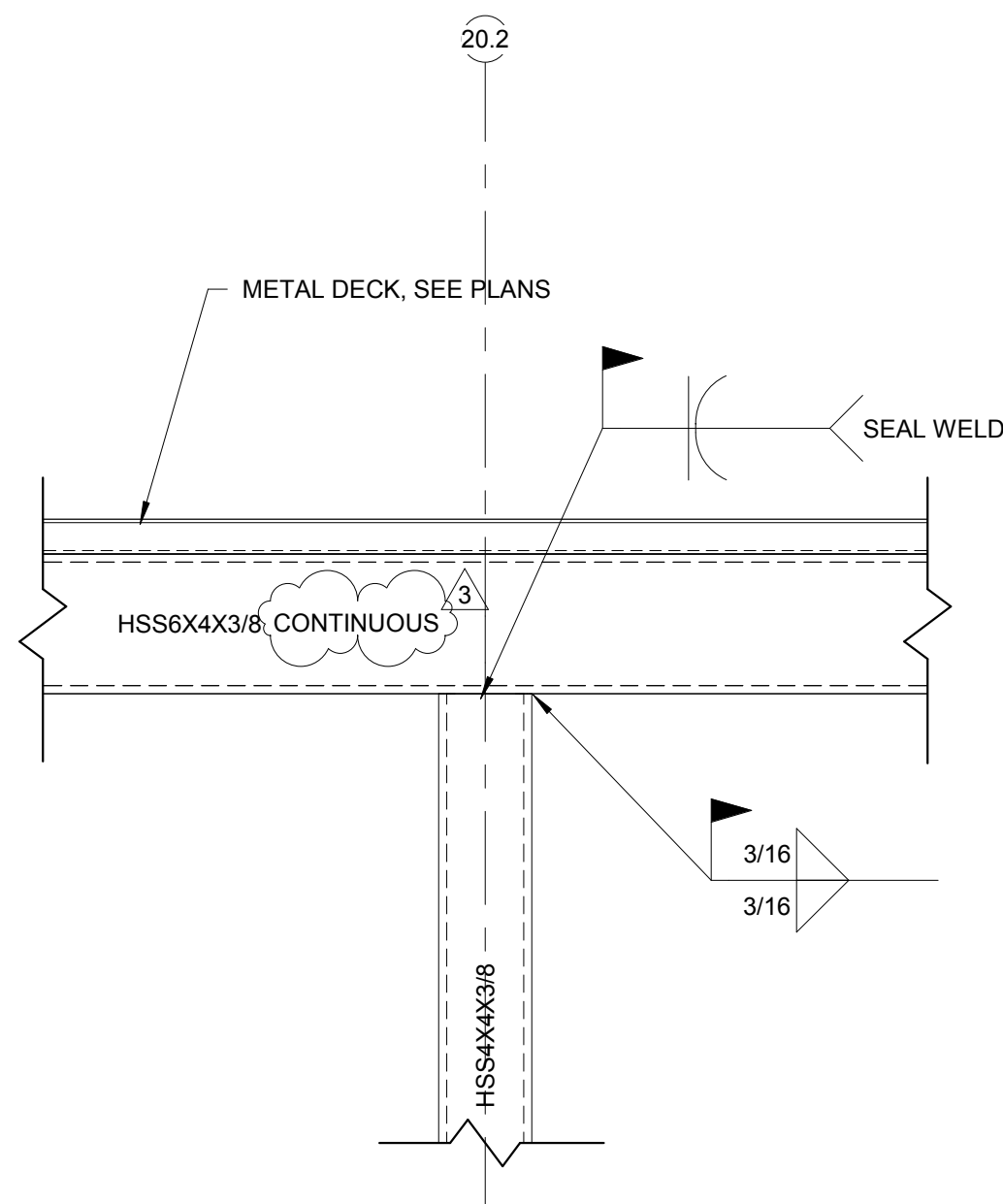


- NOTE:
- DESIGN PRECAST WALL FOR THE FOLLOWING LOADS FROM EACH HSS COLUMN:
 - 1.4 KIPS DEAD LOAD
 - 4.8 KIPS SNOW LOAD
 - 4.8 KIPS WIND UPLIFT
 - ALL LOADS ARE UNFACTORED AND SHALL BE COMBINED PER ASCE 7-10 FOR DESIGN.
 - COLUMNS BEAR AT TOP OF FOUNDATION WALL AT SIM.

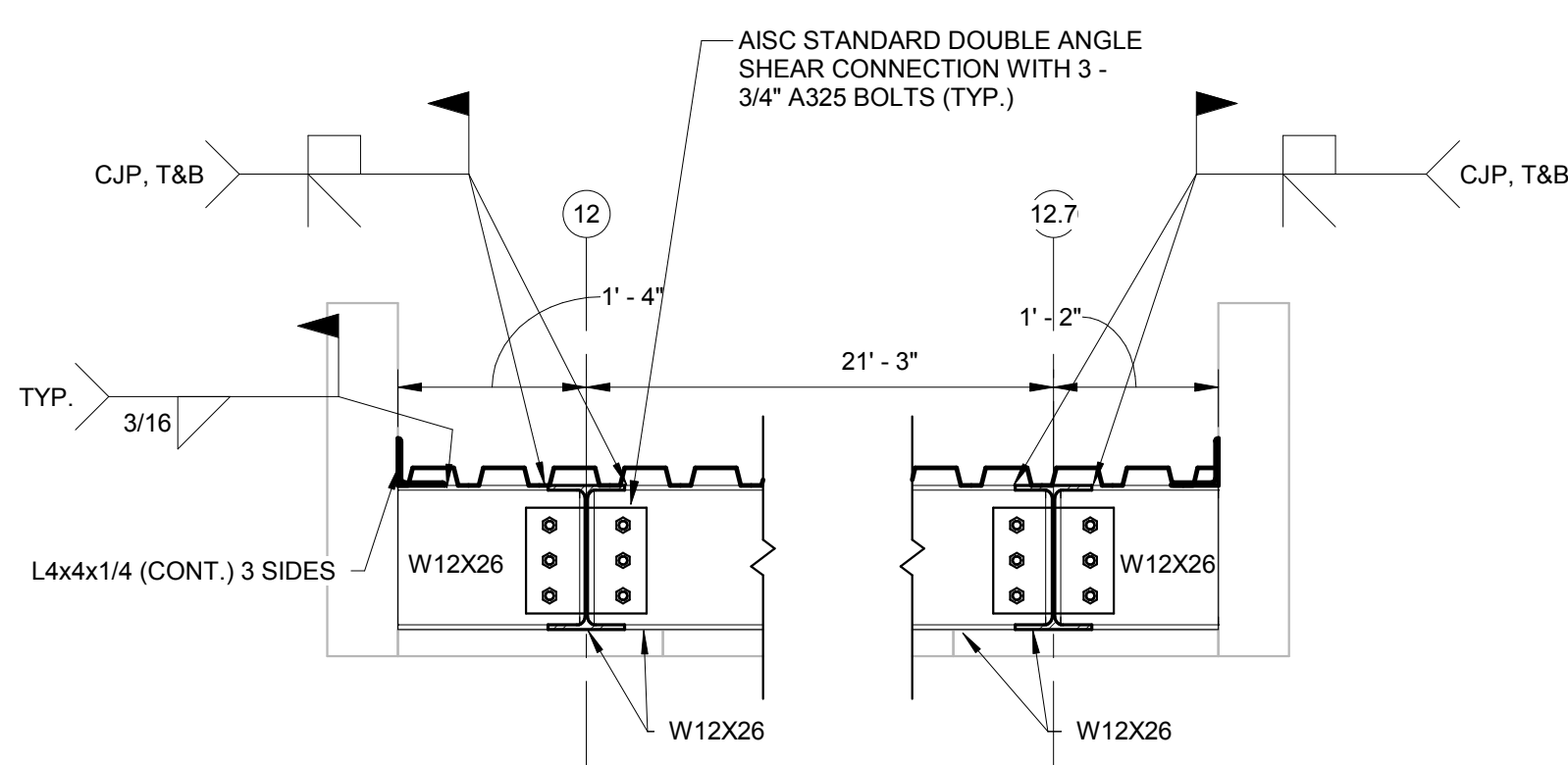
4 SECTION AT CANOPY
S-554 SCALE: 3/4" = 1'-0"



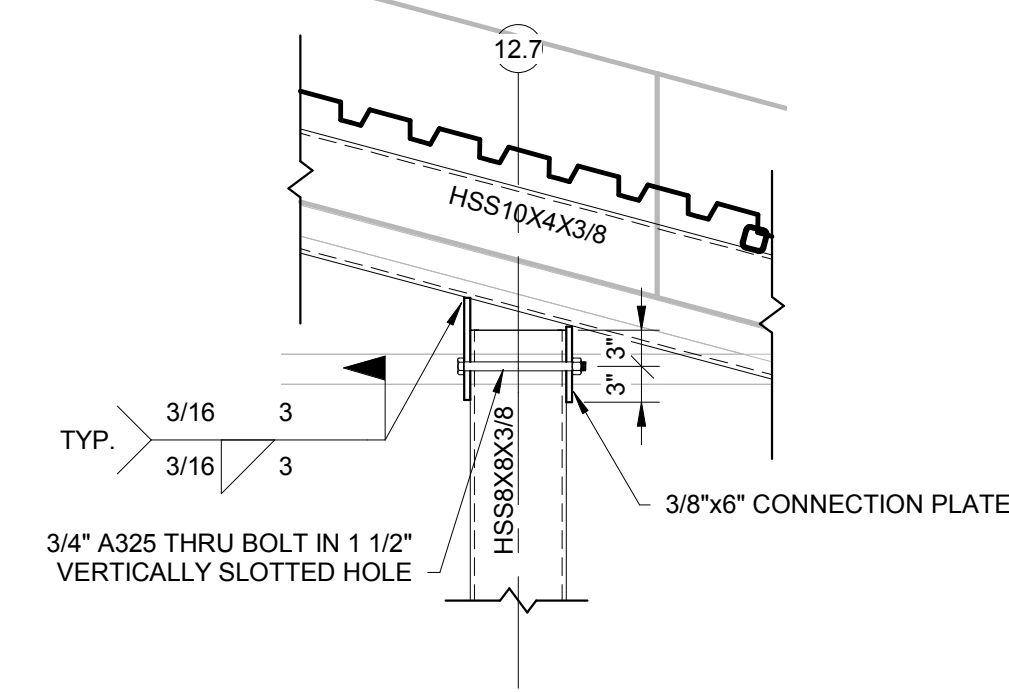
5 SECTION AT CANOPY
S-554 SCALE: 3/4" = 1'-0"



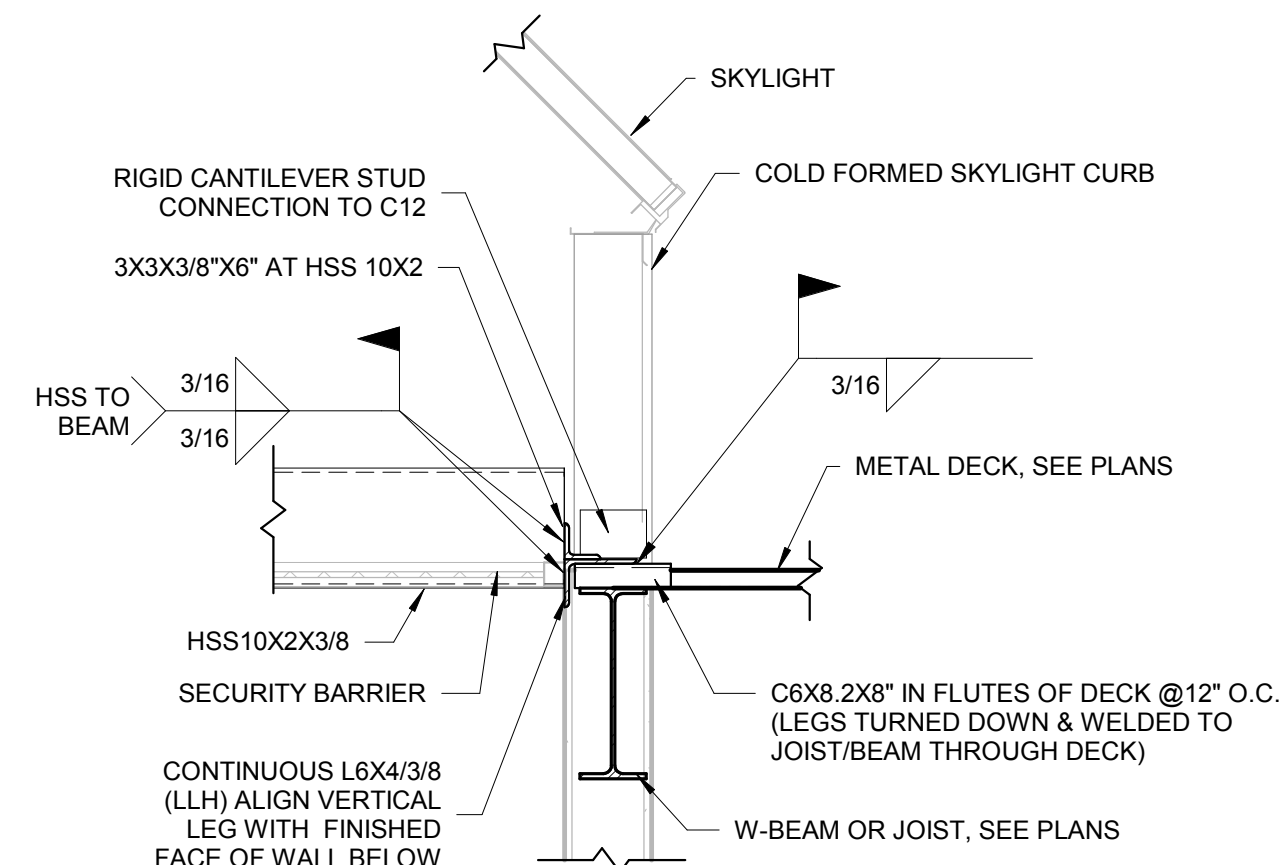
6 COLUMN CAP DETAIL
S-554 SCALE: 1 1/2" = 1'-0"



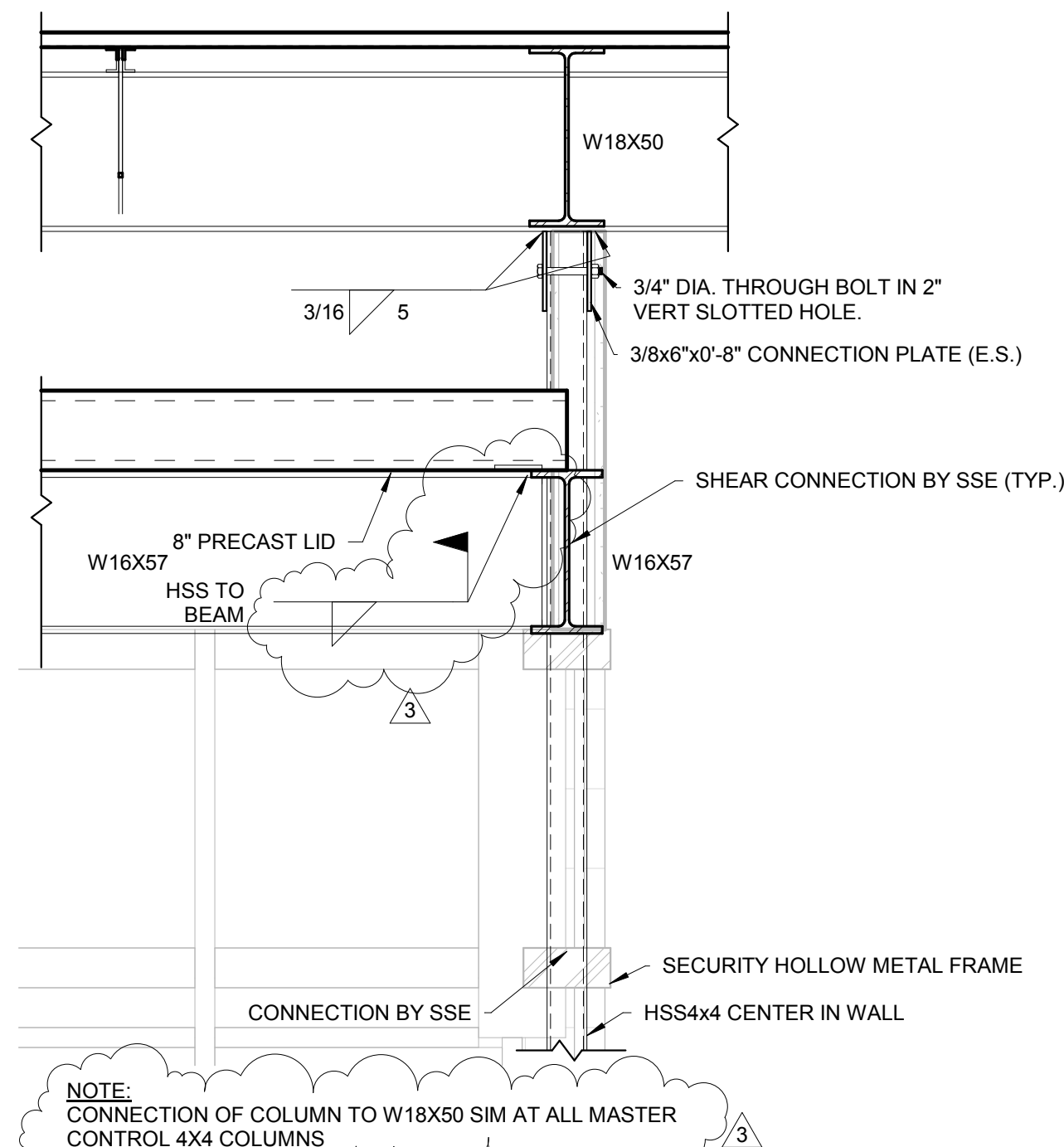
7 SECTION AT CANOPY
S-554 SCALE: 3/4" = 1'-0"



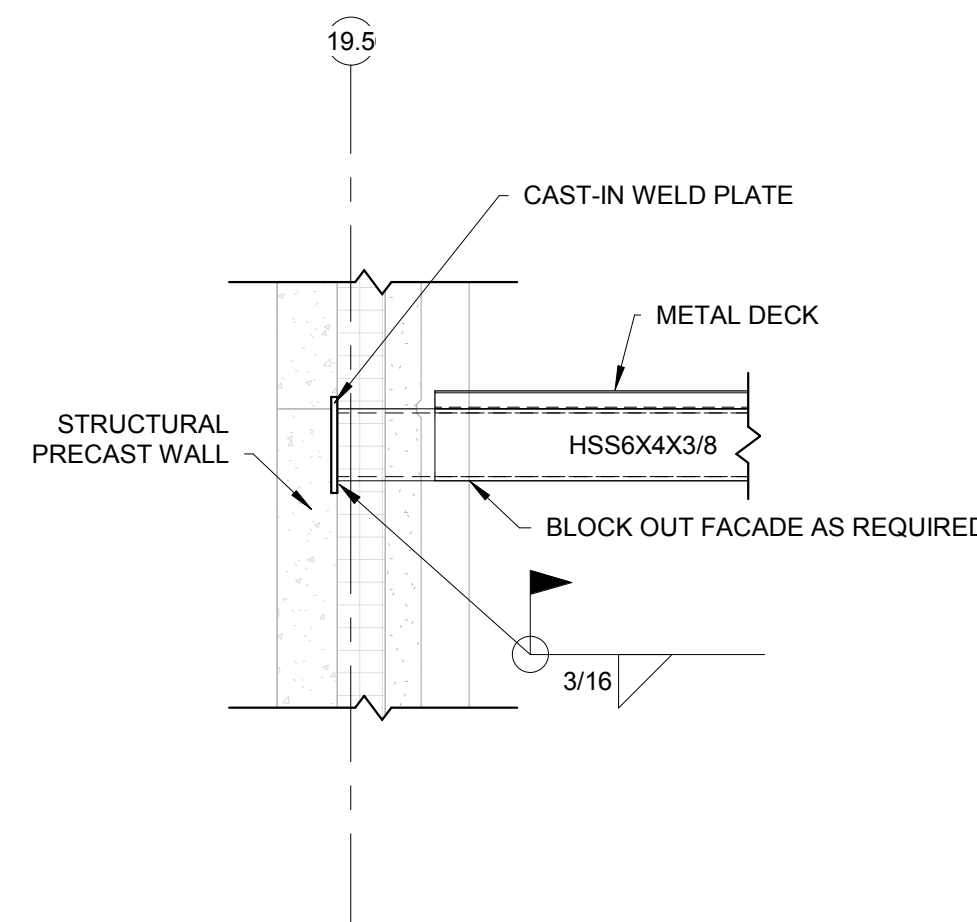
8 CONNECTION DETAIL
S-554 SCALE: 3/4" = 1'-0"



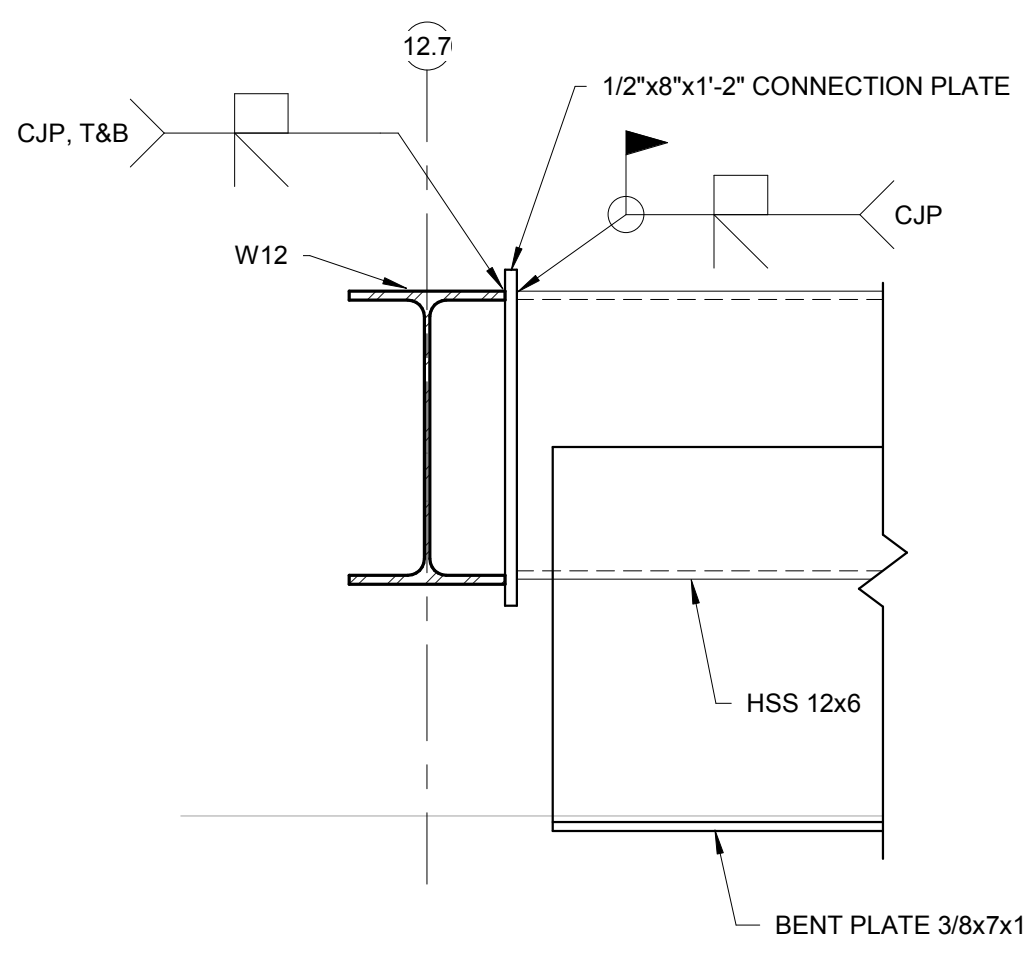
9 TYPICAL SKYLIGHT SUPPORT AREA B
S-554 SCALE: 3/4" = 1'-0"



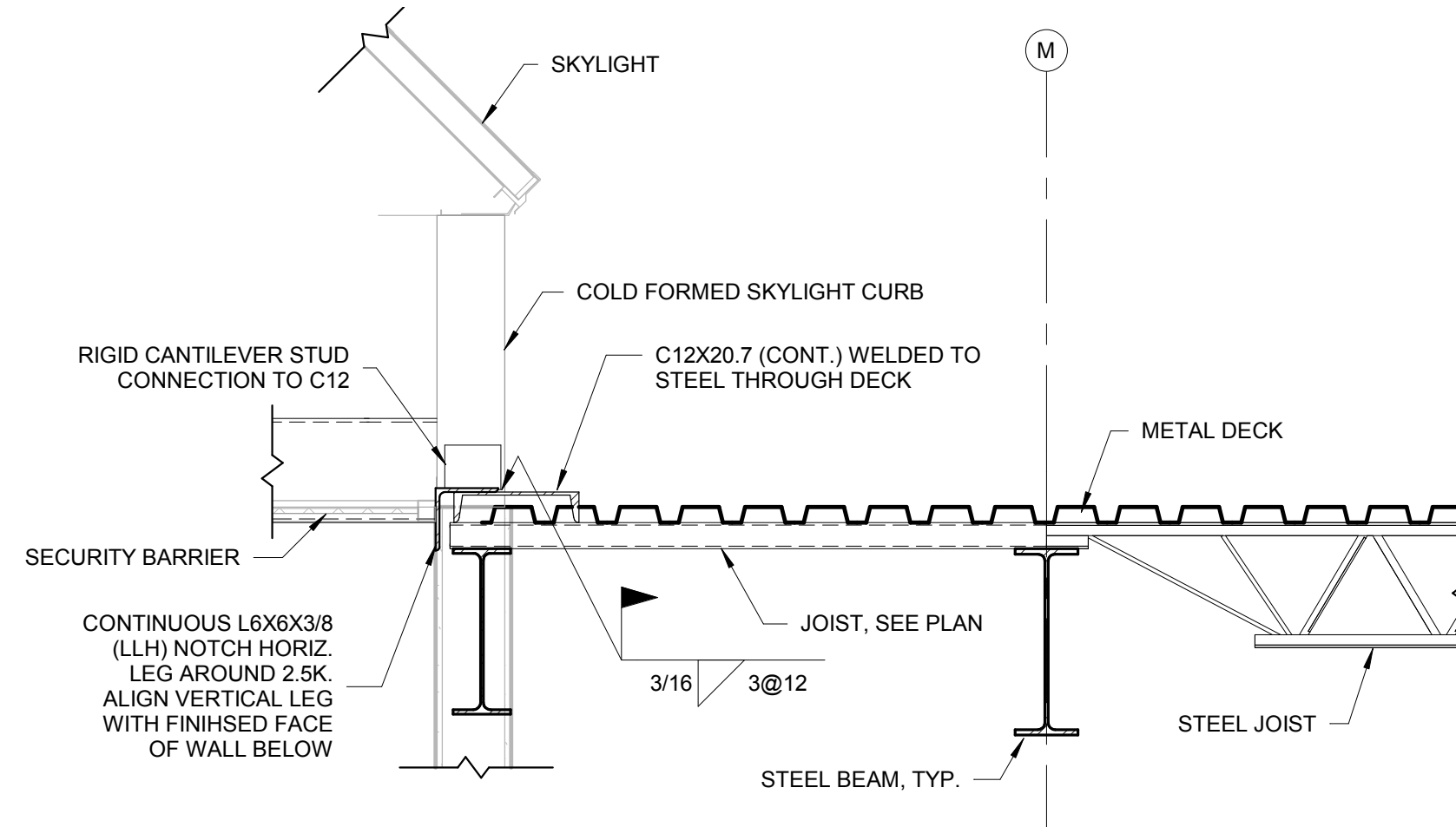
10 SECTION AT MASTER CONTROL
S-554 SCALE: 3/4" = 1'-0"



11 SECTION AT CANOPY
S-554 SCALE: 3/4" = 1'-0"



12 CONNECTION DETAIL
S-554 SCALE: 1 1/2" = 1'-0"



13 TYPICAL SKYLIGHT SUPPORT AREA B
S-554 SCALE: 3/4" = 1'-0"

																					Mech Mezzanine Joist Bearing
MECH MEZZANINE JOIST BEARING																					Mech Mezzanine Joist Bearing
133' - 2"																					133' - 2"
HIGH ROOF JOIST BEARING																					High Roof Joist Bearing
126' - 6"																					126' - 6"
SALLYPORT JOIST BEARING																					Sallyport Joist Bearing
119' - 6" LOW ROOF JOIST BEARING																					119' - 6" Low Roof Joist Bearing
114' - 8"																					114' - 8"
FIRST FLOOR																					First Floor
100' - 0"																					100' - 0"
COLUMN BASE PLATE																					Column Base Plate
ANCHOR RODS																					Anchor Rods
Column Locations																					
	J-1	J-2	J-3	J-4	K-5	K-6	K-7	K-9	L-18	L-19	M-5	M-6	M-7	M-9	N-14.2	N-15.3					



JAMES M. REDMON
Professional Engineer
No. PE168064
State of INDIANA



DLZ

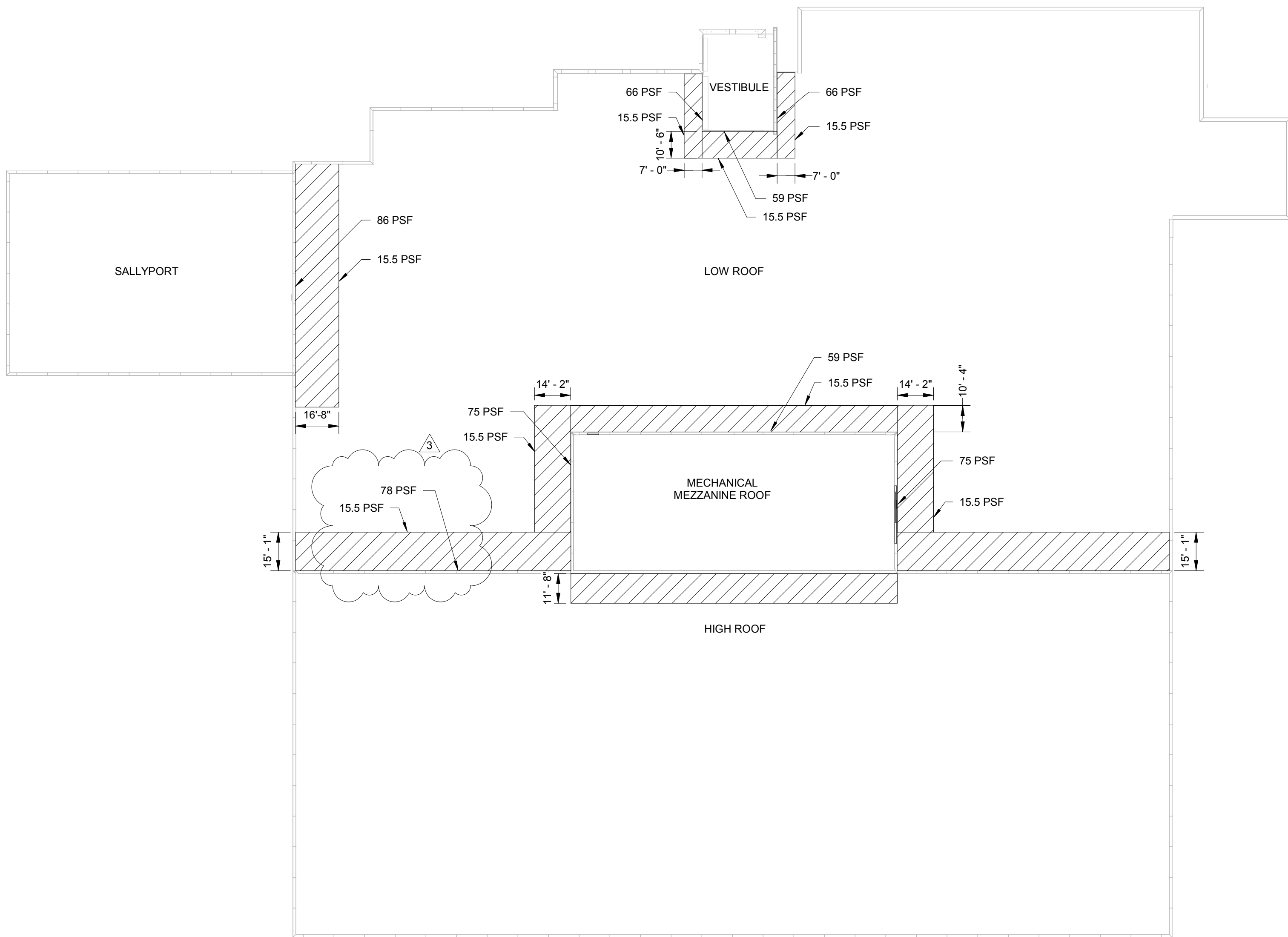
**ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES**

DLZ INDIANA, LLC

James Redmon

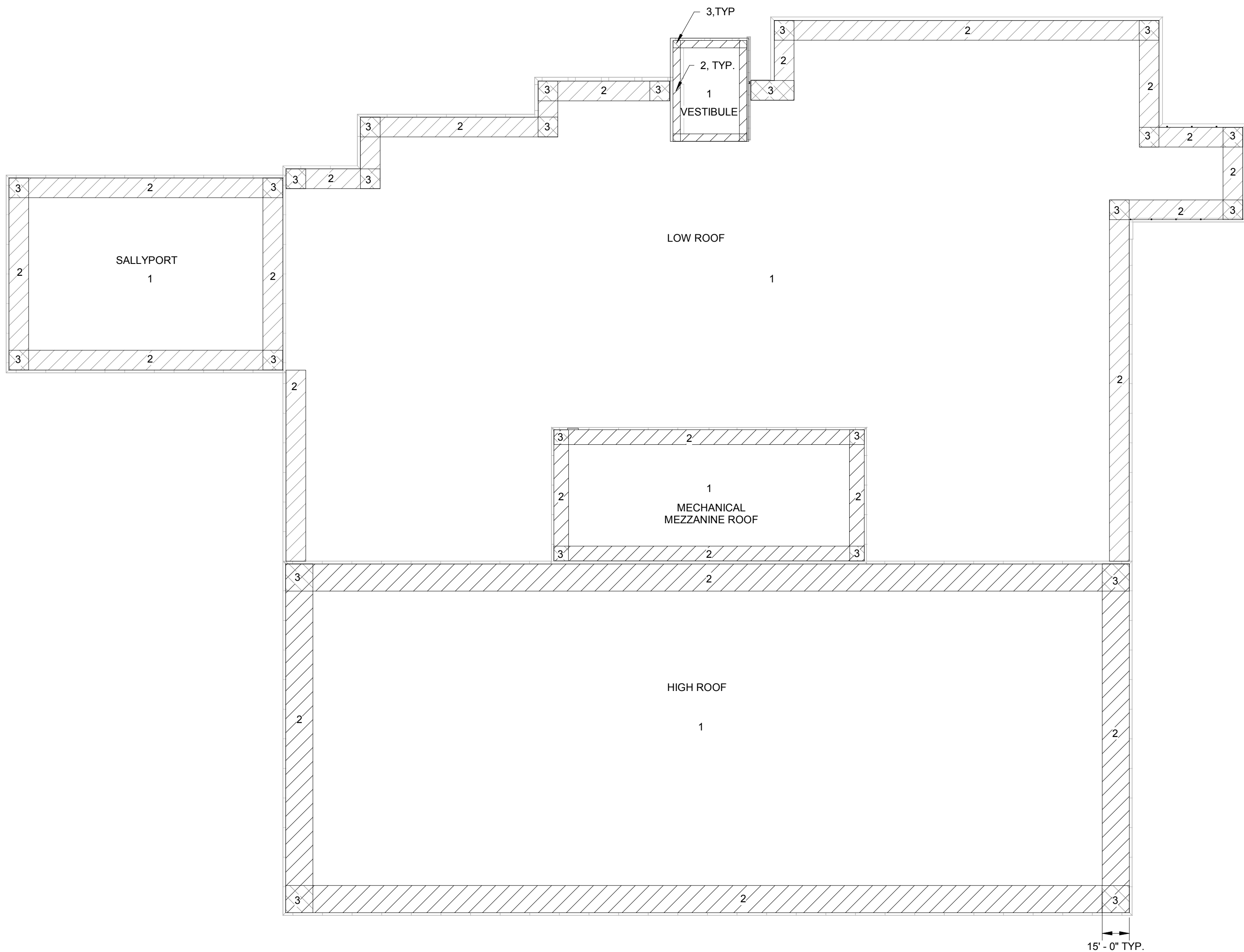
DRAWN: VMR	CHK'D: CVAN
DESIGNED: VMR	
APPR'D: CVAN	
DATE: September 5, 2019	
PROJECT NUMBER	1663-1190-90

DRAWING NUMBER	S-601	STRUCTURAL
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- NOTES:
1. SNOW DRIFTS ARE TO BE COMBINED WITH FLAT ROOF SNOW LOAD, PER ASCE 7-10.
 2. BALANCED ROOF SNOW LOAD CASE IS 22 PSF. THIS IS NOT REQUIRED TO BE COMBINED WITH THE SNOW DRIFTS INDICATED.

1 SNOW LOAD DIAGRAM
S-701 SCALE: NTS



6 WIND LOAD DIAGRAM
S-701 SCALE: NTS

EFFECTIVE AREA	ZONE 4.5	ZONE 4 (SUCTION)	ZONE 5 (SUCTION)
10 SF	35	-37	-46
50 SF	35	-34	-39
200 SF	35	-31	-33
>500 SF	35	-29	-29

NOTE:

LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH ADDITIONAL LOAD CASES IN ACCORDANCE WITH ASCE 7-10.

2 WIND DESIGN WALL PRESSURES - WALL COMPONENTS & CLADDING

S-701 SCALE: 3/4" = 1'-0"

EFFECTIVE AREA	ZONE 1,2,3	ZONE 1 (UPLIFT)	ZONE 2 (UPLIFT)	ZONE 3 (UPLIFT)
10 SF	16	-38	-63	-95
25 SF	16	-37	-54	-73
50 SF	16	-36	-48	-57
>100 SF	16	-35	-41	-41

NOTE:

LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH ADDITIONAL LOAD CASES IN ACCORDANCE WITH ASCE 7-10.

4 WIND DESIGN ROOF PRESSURES - ROOF COMPONENTS & CLADDING

S-701 SCALE: 3/4" = 1'-0"

PRIMARY LOCATION	DECK MARK	TYPE	SUPPORT FASTENER LAYOUT	SUPPORT FASTENER TYPE	SIDELAP FASTENERS TYPE	SIDELAP FASTENERS QUANTITY
LOW ROOF	MD1	1.5B20	36/7	5/8" PUDDLE WELDS	#10 TEK SCREWS	6
SALLYPORT	MD2	1.5B20	36/4	#12 TEK SCREWS	#10 TEK SCREWS	3
VESTIBULE	MD3	1.5B20	36/3	5/8" PUDDLE WELDS	N/A	0
HIGH ROOF	MD4	1.5B18	36/7	5/8" PUDDLE WELDS	WELDED	7
MECHANICAL MEZZANINE ROOF	MD5	1.5B20	36/7	#12 TEK SCREWS	#10 TEK SCREWS	6

NOTES:

1. AT OUTDOOR STAFF DINING CANOPY AND EMPLOYEE ENTRANCY CANOPY, PROVIDE 1.5BPA INSULATED CELLULAR ROOF DECK (GALV.) WITH HAT/PAN 20/18 GAGE.

3 STEEL DECK & ATTACHMENT SCHEDULE

S-701 SCALE: 3/4" = 1'-0"

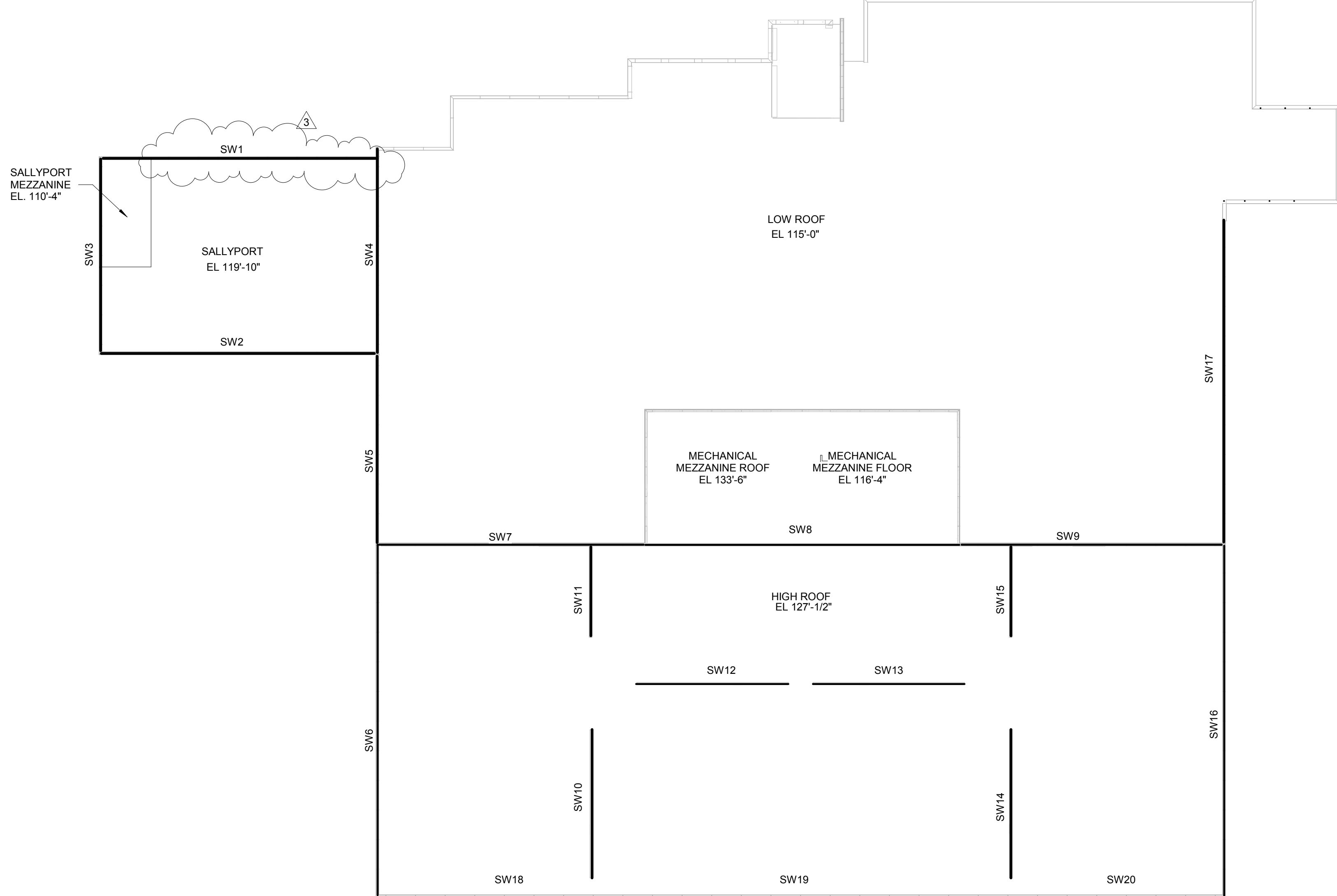
SHEAR WALL MARK	LOW ROOF	SALLYPORT ROOF	SALLYPORT MEZZANINE	HIGH ROOF	MECHANICAL MEZZANINE	MECHANICAL MEZZANINE ROOF
SW1	---	330 PLF	630 PLF	---	---	---
SW2	---	330 PLF	---	---	---	---
SW3	---	460 PLF	285 PLF	---	---	---
SW4	480 PLF	460 PLF	---	---	---	---
SW5	480 PLF	---	---	---	---	---
SW6	---	---	---	680 PLF	---	---
SW7	275 PLF	---	---	1100 PLF	---	---
SW8	---	---	---	440 PLF	1050 PLF	375 PLF
SW9	275 PLF	---	---	1100 PLF	---	---
SW10	---	---	---	2000 PLF	---	---
SW11	---	---	---	2000 PLF	---	---
SW12	---	---	---	1100 PLF	---	---
SW13	---	---	---	1100 PLF	---	---
SW14	---	---	---	2000 PLF	---	---
SW15	---	---	---	2000 PLF	---	---
SW16	---	---	---	680 PLF	---	---
SW17	580 PLF	---	---	---	---	---
SW18	---	---	---	1100 PLF	---	---
SW19	---	---	---	675 PLF	---	---
SW20	---	---	---	1100 PLF	---	---

NOTES:

1. LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH ADDITIONAL LOAD CASES IN ACCORDANCE WITH ASCE 7-10.
2. REFERENCE FRAMING PLANS FOR ADDITIONAL BEAM LOADS SUPPORTED BY PRECAST WALL.
3. UNITS SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT THE SUPERIMPOSED DEAD, SNOW AND WIND LOADS.
4. SUPERIMPOSED LOADS:
 - a. ROOF DL = 25 PSF; INCLUDES SELFWEIGHT OF JOISTS.
 - b. ROOF SL = AS INDICATED ON 1/S-701.
 - c. ROOF WL = AS INDICATED ON 6/S-701.
5. LOADS SHALL BE APPLIED TO THE PRECAST WALLS AT THE ELEVATIONS STATED IN DETAIL 7/S-701.
6. THIS LOAD APPLIED ONLY WHERE MEZZANINE ATTACHES TO PRECAST WALL.

5 PRECAST WALL LOADING

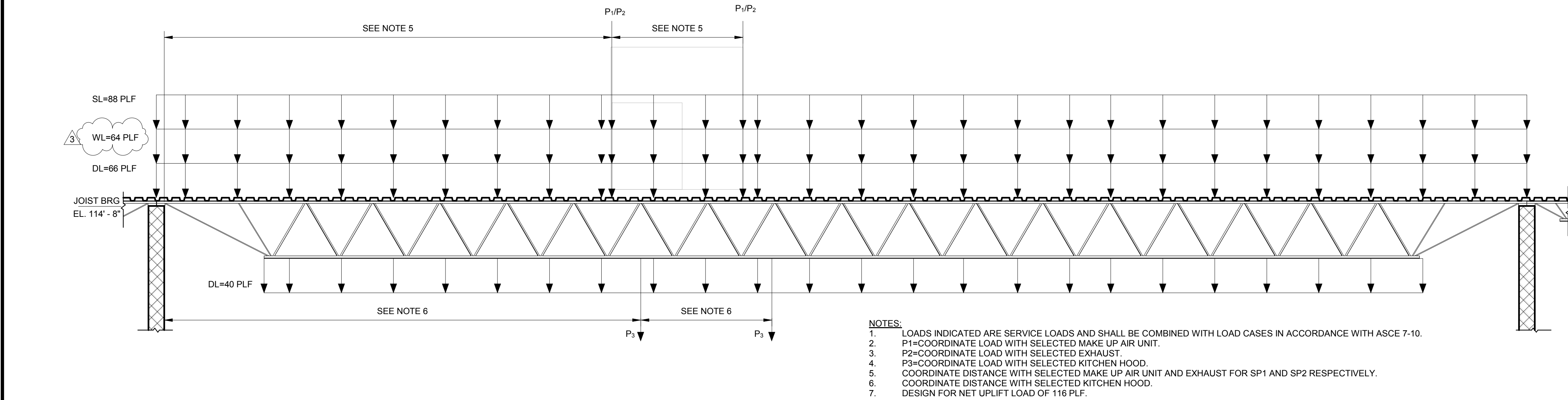
S-701 SCALE: 3/4" = 1'-0"



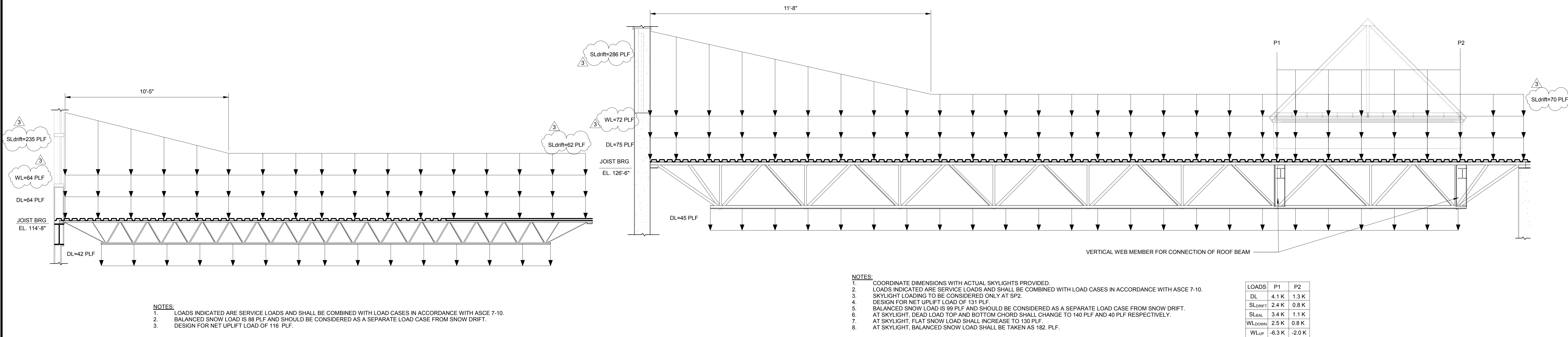
NOTE:
REFERENCE PRECAST WALL LOADING TABLE ON DETAIL 5/S-701.

7 PRECAST SHEAR WALL LOADS
S-701 SCALE: NTS

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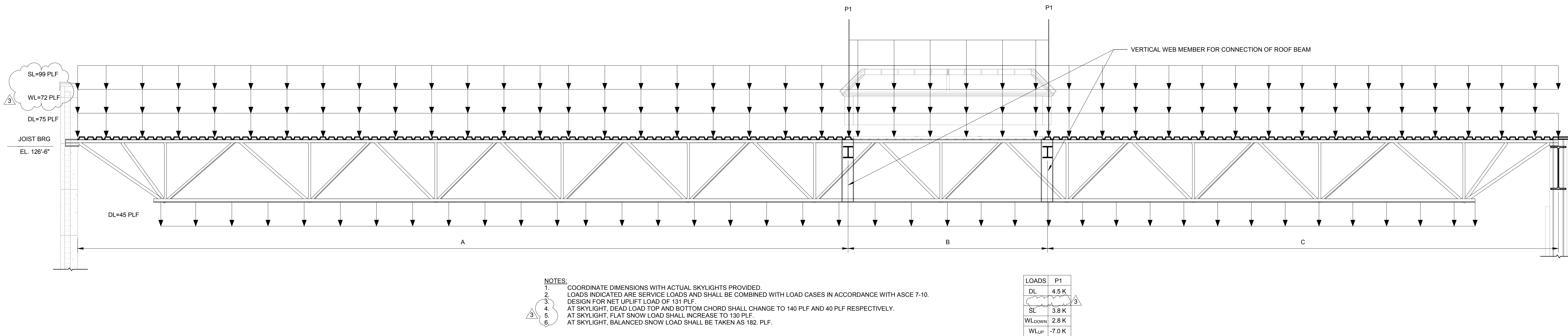


1 28K-SP1 AND SP2
S-702 SCALE: 3/8" = 1'-0"



3 18K-SP1
S-702 SCALE: 3/8" = 1'-0"

4 36LH-SP1 AND SP2
S-702 SCALE: 3/8" = 1'-0"

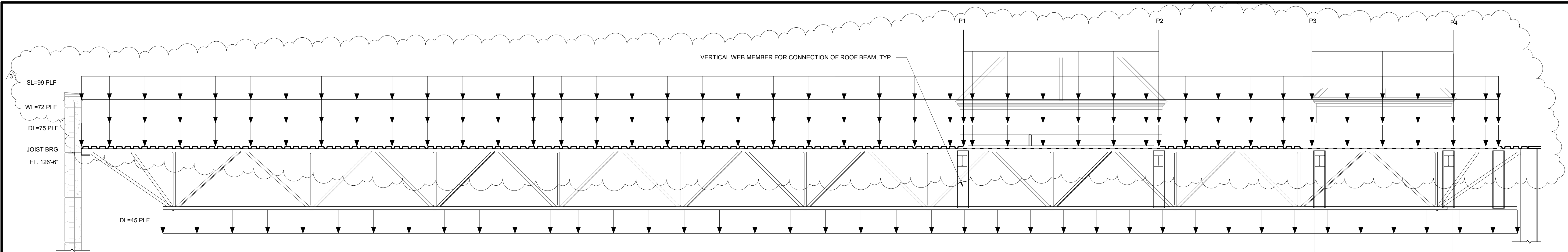


5 44LH-SP1, SP2, SP3, AND SP4
S-702 SCALE: 3/8" = 1'-0"

NO.	DATE	REVISION
1	09/19/19	Adendum #02
2	09/20/19	Adendum #03
3		Adendum #03

DRAWN: VMR	CHKD: CVAN
DESIGNED: VMR	
APPROVD: CVAN	
DATE: September 5, 2019	
PROJECT NUMBER	1663-1190-90

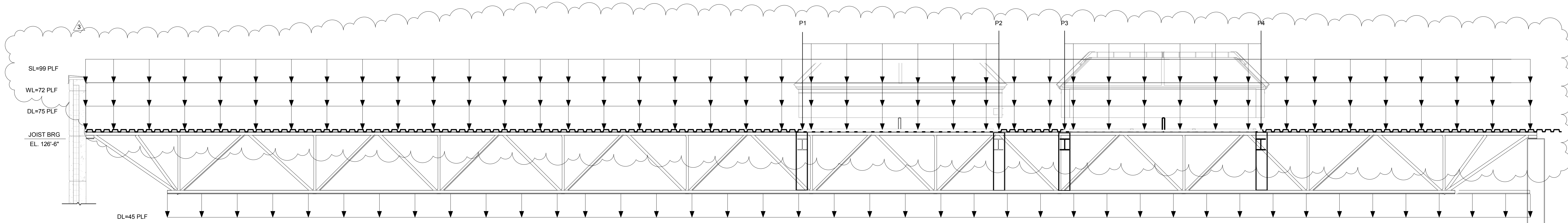
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NOTES:
1. COORDINATE DIMENSIONS WITH ACTUAL SKYLIGHTS PROVIDED.
2. LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH LOAD CASES IN ACCORDANCE WITH ASCE 7-10.
3. DESIGN FOR NET UPLIFT LOAD OF 131 PLF.
4. AT SKYLIGHT, DEAD LOAD TOP AND BOTTOM CHORD SHALL CHANGE TO 140 PLF AND 40 PLF RESPECTIVELY.
5. AT SKYLIGHT, FLAT SNOW LOAD SHALL INCREASE TO 130 PLF.
6. AT SKYLIGHT, BALANCED SNOW LOAD SHALL BE TAKEN AS 182. PLF.

LOADS	P1	P2	P3	P4
DL	5.3 K	1.7 K	1.7 K	1.3 K
SL	4.4 K	1.5 K	1.5 K	1.1 K
WLDOWN	3.2 K	1.1 K	1.1 K	0.8 K
WLUP	-8.1 K	-2.7 K	-2.7 K	-1.9 K

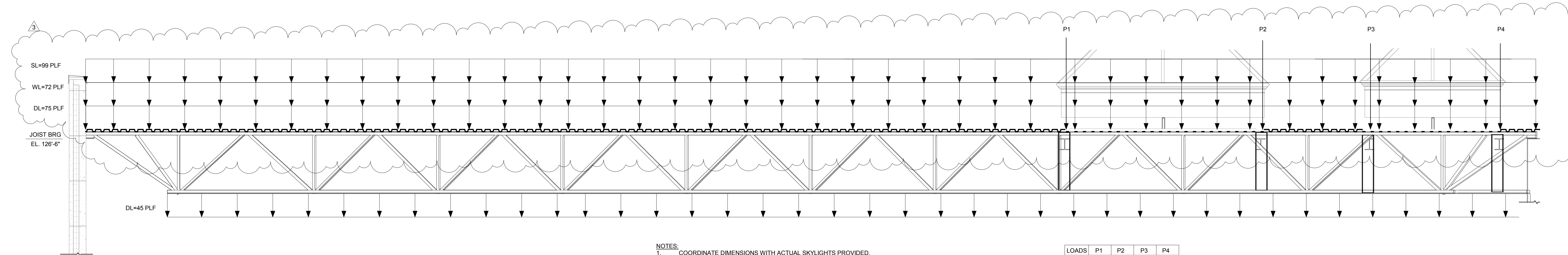
1 44LH-SP5
S-703 SCALE: 3/8" = 1'-0"



NOTES:
1. COORDINATE DIMENSIONS WITH ACTUAL SKYLIGHTS PROVIDED.
2. LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH LOAD CASES IN ACCORDANCE WITH ASCE 7-10.
3. DESIGN FOR NET UPLIFT LOAD OF 131 PLF.
4. AT SKYLIGHT, DEAD LOAD TOP AND BOTTOM CHORD SHALL CHANGE TO 140 PLF AND 40 PLF RESPECTIVELY.
5. AT SKYLIGHT, FLAT SNOW LOAD SHALL INCREASE TO 130 PLF.
6. AT SKYLIGHT, BALANCED SNOW LOAD SHALL BE TAKEN AS 182. PLF.

LOADS	P1	P2	P3	P4
DL	4.5 K	1.4 K	1.4 K	2.2 K
SL	3.7 K	1.2 K	1.2 K	1.8 K
WLDOWN	2.7 K	0.9 K	0.9 K	1.3 K
WLUP	-6.8 K	-2.2 K	-2.2 K	-3.4 K

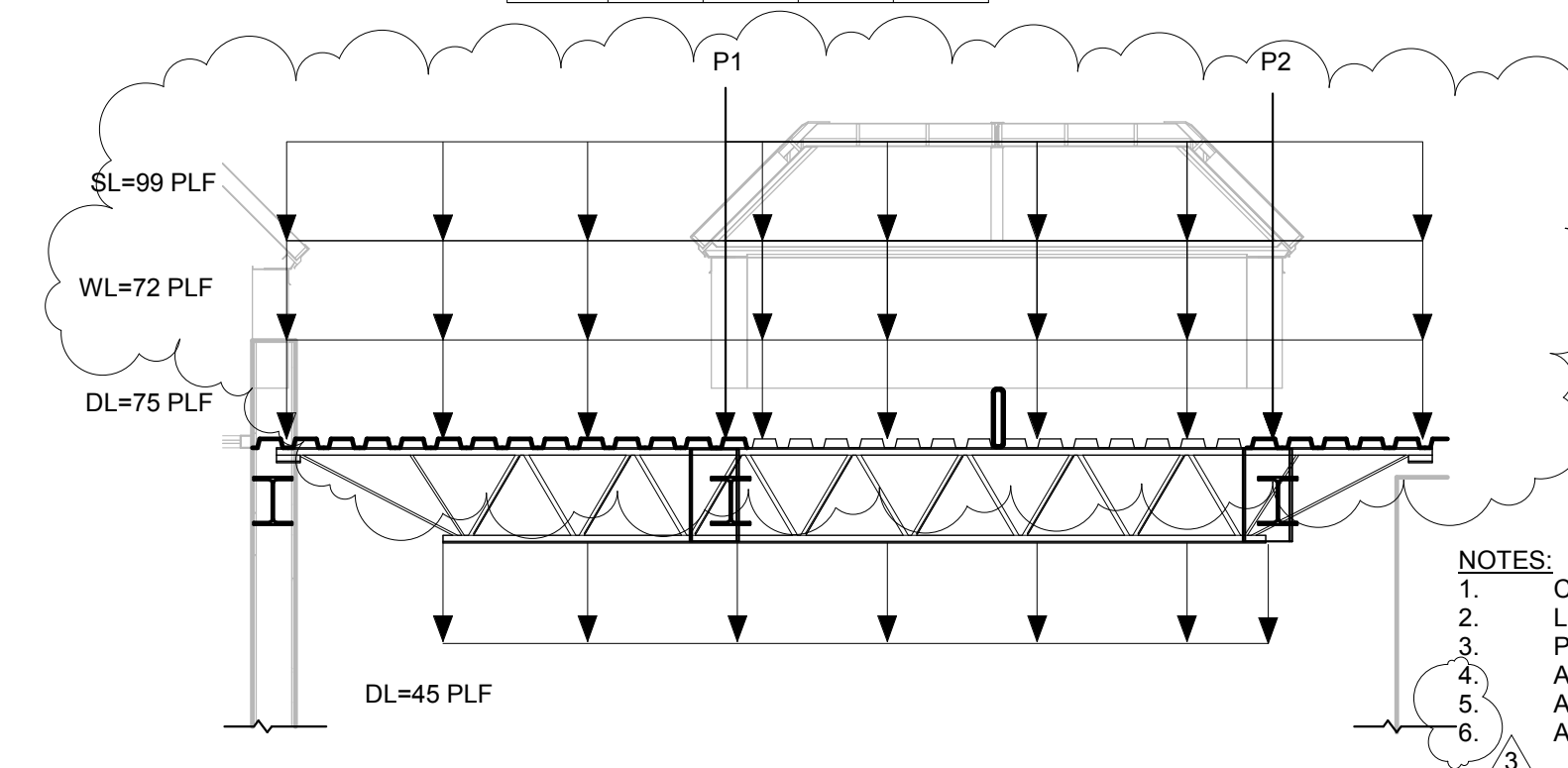
2 44LH-SP6
S-703 SCALE: 3/8" = 1'-0"



NOTES:
1. COORDINATE DIMENSIONS WITH ACTUAL SKYLIGHTS PROVIDED.
2. LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH LOAD CASES IN ACCORDANCE WITH ASCE 7-10.
3. DESIGN FOR NET UPLIFT LOAD OF 131 PLF.
4. AT SKYLIGHT, DEAD LOAD TOP AND BOTTOM CHORD SHALL CHANGE TO 140 PLF AND 40 PLF RESPECTIVELY.
5. AT SKYLIGHT, FLAT SNOW LOAD SHALL INCREASE TO 130 PLF.
6. AT SKYLIGHT, BALANCED SNOW LOAD SHALL BE TAKEN AS 182. PLF.

LOADS	P1	P2	P3	P4
DL	5.6 K	1.4 K	1.1 K	1.0 K
SL	4.6 K	1.2 K	0.9 K	0.9 K
WLDOWN	3.4 K	0.9 K	0.7 K	0.6 K
WLUP	-8.5 K	-2.2 K	-1.7 K	-1.6 K

3 44LH-SP7
S-703 SCALE: 3/8" = 1'-0"



LOADS	P1	P2
DL	1.3 K	1.1 K
SL	1.1 K	0.9 K
WLDOWN	0.8 K	0.7 K
WLUP	-1.9 K	-1.7 K

NOTES:
1. COORDINATE DIMENSIONS WITH ACTUAL SKYLIGHTS PROVIDED.
2. LOADS INDICATED ARE SERVICE LOADS AND SHALL BE COMBINED WITH LOAD CASES IN ACCORDANCE WITH ASCE 7-10.
3. PROVIDE UPLIFT BRIDGING FOR NET UPLIFT PRESSURE OF 131 PLF.
4. AT SKYLIGHT, DEAD LOAD TOP AND BOTTOM CHORD SHALL CHANGE TO 140 PLF AND 40 PLF RESPECTIVELY.
5. AT SKYLIGHT, FLAT SNOW LOAD SHALL INCREASE TO 130 PLF.
6. AT SKYLIGHT, BALANCED SNOW LOAD SHALL BE TAKEN AS 182. PLF.

4 16K-SP1
S-703 SCALE: 3/8" = 1'-0"

DLZ

ARCHITECTURE • ENGINEERING • PLANNING
SURVEYING • CONSTRUCTION SERVICES
DLZ INDIANA, LLC

REGISTERED PROFESSIONAL ENGINEER
No. PE180044
State of Indiana
Exp. 12/31/2024

Vannia Kethan

DRAWN: VWR
DESIGNED: VWR
APPROVD: CVAN
DATE: September 5, 2019
PROJECT NUMBER

1663-1190-90

VIGO COUNTY SECURITY CENTER

TERRE HAUTE, INDIANA

LOADING DIAGRAMS - 3

DRAWING NUMBER
S-703

STRUCTURAL