

GENERAL CONSTRUCTION NOTES:

- 1. ALL WORK SHALL COMPLY WITH THE 2012 INTERNATIONAL BUILDING CODE, AS APPROVED BY THE VETERANS ADMINISTRATION GUIDELINES.
2. REFERENCE STANDARDS: UNLESS OTHERWISE NOTED (U.O.N.), ALL STANDARDS SHALL BE CURRENT EDITION, WITH LATEST ADDENDA, IF APPLICABLE.
3. THE CONTRACTOR SHALL VERIFY ALL CONTRACT DOCUMENTS, SITE ELEVATIONS, DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES.
4. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES.
5. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE MEANS OR METHOD OF CONSTRUCTION. TEMPORARY BRACING AND SHORING AGAINST WIND AND ERECTION CONDITIONS DURING CONSTRUCTION OF THE BUILDING, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE PROTECTION OF THE STRUCTURE DURING ALL PHASES OF DEMOLITION, CONSTRUCTION, AND INSTALLATION.
6. TEMPORARY BRACING AND SHORING AGAINST WIND AND ERECTION CONDITIONS TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. NO AREA OF THE STRUCTURE SHALL BE LOADED WITH CONSTRUCTION MATERIALS OR EQUIPMENT THAT EXCEEDS FINAL DESIGN CRITERIA.
8. SEE MECHANICAL, ELECTRICAL AND ARCHITECTURAL DRAWINGS FOR ALL OPENINGS AND INSERTS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
9. VERIFY LOCATION OF BOX OUTS AND OPENINGS WITH MECHANICAL CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR PIPES, DUCTS ETC. ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED WITH THE MECHANICAL CONTRACTOR BEFORE COMMENCING THE WORK.
10. IF MECHANICAL AND ELECTRICAL EQUIPMENT SIZES, WEIGHTS, OR LOCATIONS DO NOT CONCLUDE WITH EQUIPMENT SHOWN ON PLANS, COORDINATE ADJUSTMENTS WITH THE STRUCTURAL ENGINEER.
11. HOLES, PIPES, SLEEVES, ETC. NOT SHOWN ON THE DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER BEFORE PLACEMENT THROUGH STRUCTURAL MEMBERS.
12. CONTRACTOR SHALL PROVIDE A CAST-IN SLEEVE FOR ALL HORIZONTAL ELEMENTS THAT EXTEND THROUGH FOOTING. IT DRAIN TILE, ELECTRICAL CONDUIT, MECHANICAL PIPING, ETC. ALL SLEEVES MUST BE COORDINATED WITH ARCHITECT/ENGINEER.
13. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, ETC., SHALL BE DIMENSIONED, REVIEWED, COORDINATED, AND SIGNED/STAMPED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING TO THE STRUCTURAL ENGINEER. MANUFACTURED COMPONENTS SUCH AS TRUSSES OR PRECAST CONCRETE SHALL BE ENGINEERED AND STAMPED PRIOR TO SUBMISSION.
14. FABRICATOR SHALL CLEARLY NOTE CHANGES MADE IN THE SHOP DRAWINGS WHICH DO NOT COMPLY WITH THE CONTRACT DOCUMENTS. REVIEWED APPROVAL SHOP DRAWINGS SHOWING ENGINEER'S COMMENTS ACCOMPANIED WITH RECORD SET SHOP DRAWINGS, SHALL BE AVAILABLE FOR REFERENCE AT THE CONSTRUCTION SITE.
15. EXPANSION ANCHORS (EXP. ANC.) SHALL BE HILTI HIT-Kwik BOLT T2" OR EQUIVALENT (U.O.N.). INSTALL ANCHORS IN STRUCTURAL CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
16. ADHESIVE ANCHORS (A.A.) SHALL BE HILTI HIT-HY-200 USING "HAS" STANDARD RODS" OR EQUIVALENT (U.O.N.). USE HILTI HIT-HY-150 ICE FOR COLD WEATHER APPLICATIONS. SEE SPECIFICATIONS FOR USAGE. INSTALL ANCHORS IN STRUCTURAL CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
17. DESIGN LOADS: (2012 IBC CRITERIA)

FLOOR LIVE LOADS:

Table with 2 columns: Category (OFFICE, PARTITIONS, CORRIDORS & STAIRS, etc.) and Load (psf)

MECHANICAL ROOMS

Table with 2 columns: Category (CORRIDORS & STAIRS, etc.) and Load (psf)

ROOF LIVE LOADS:

Table with 2 columns: Category (FLAT ROOF SNOW, IMPORTANCE FACTOR, etc.) and Load (psf)

DEAD LOADS:

Table with 2 columns: Category (TYPICAL FLOOR, TYPICAL ROOF, etc.) and Load (psf)

LATERAL LOADS (WIND-WINDERS):

Table with 2 columns: Category (BASIC WIND SPEED, WIND EXPOSURE, etc.) and Value

LATERAL LOADS (SEISMIC-MSERS):

Table with 2 columns: Category (IMPORTANCE FACTOR, OCCUPANCY CATEGORY, etc.) and Value

CONCRETE NOTES:

- 1. CONCRETE CONSTRUCTION SHALL CONFORM TO AMERICAN CONCRETE INSTITUTE (ACI) CODES AND SPECIFICATIONS, LATEST EDITION.
2. CAST-IN-PLACE CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTHS AS FOLLOWS:
3. CONCRETE MIX DESIGN SHALL BE BY AN INDEPENDENT TESTING LABORATORY.
4. CAST-IN-PLACE CONCRETE SHALL BE SUBJECT TO TESTING BY AN INDEPENDENT TESTING LABORATORY. SEE PROJECT SPECIFICATIONS FOR REQUIREMENTS.
5. NON WELDED REINFORCING STEEL SHALL BE GRADE 60 DEFORMED, BILLET-STEEL, ASTM A615, U.O.N. ALL WELDED WIRE FABRIC (WWF) SHALL BE PLAIN, ASTM A185.
6. WELDED REINFORCING STEEL SHALL BE GRADE 60, LOW CARBON, ASTM A706.
7. CLEAR CONCRETE COVER FOR ALL REINFORCING SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED ON THE DRAWING:
8. PROVIDE EXTRA REINFORCEMENT AROUND ALL OPENINGS GREATER THAN 12" SQUARE OR 12" IN DIAMETER, INCLUDING DOOR OPENINGS IN CONCRETE WALLS & SLABS. PROVIDE TWO (2) #5 BARS @ 3" O.C. ON EACH SIDE OF THE OPENING EXTENDING 24" BEYOND THE CORNER OF THE OPENING & TWO (2) #5 BARS AT 3" O.C. BY 3'-0" LONG DIAGONAL BARS AT EACH CORNER. PLACE DIAGONAL BARS CENTERED ON CORNER @ 2" CLEAR OF CORNER. ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AT EACH LAYER OF REINFORCING.
9. REINFORCING STEEL SHALL BE BENT, SPLICED, AND PLACED IN ACCORDANCE WITH THE ACI 301 (LATEST EDITION).

FOUNDATION NOTES:

- 1. FOOTING ELEVATIONS ARE TO TOP OF FOOTING (T.O. FTG.), UNLESS OTHERWISE NOTED.
2. FOOTINGS ARE DESIGNED FOR A MINIMUM NET ALLOWABLE SOIL BEARING PRESSURE OF 3500 psf FOUNDATION DESIGN COMPLES W/ GEOTECHNICAL REPORT DATED AUGUST 15, 2014 BY INDEPENDENT TESTING TECHNOLOGIES, INC.
3. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED SOIL OR ENGINEERED FILL. SOILS SHALL BE OBSERVED AND APPROVED BY A GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF FOOTING CONCRETE. IF NATURAL UNDISTURBED SOILS ARE NOT ENCOUNTERED AND/OR INADEQUATE SOILS ARE NOTED AT FOOTING BEARING LEVEL, ARCHITECT/ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH FURTHER WORK AT THOSE FOOTING LOCATIONS.
4. PROTECT FOOTINGS FROM THE ACTION OF WATER OR FREEZING.
5. FOOTINGS ARE CENTERED UNDER WALLS ABOVE - UNLESS OTHERWISE NOTED.
6. PRIOR TO PLACEMENT OF FOOTING CONCRETE, CLEAN FOOTING EXCAVATIONS OF SNOW, WATER, MUD, DIRT AND DEBRIS.
7. FOOTINGS MAY NOT BE EARTH FORMED.

EXCAVATION AND BACKFILL NOTES:

- 1. EXCAVATION AND BACKFILL SHALL BE EXECUTED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
2. BACKFILL & COMPACTION SHALL BE INSPECTED AND CERTIFIED BY A LICENSED GEOTECHNICAL ENGINEER. REPORTS ARE TO BE SUBMITTED TO THE ARCHITECT/ENGINEER.
3. FOOTING EXCAVATIONS SHALL BE EXCAVATED TO PROPER LINE AND LEVEL TO ENSURE MINIMUM CONCRETE COVER OF FOOTING REINFORCEMENT FOR FOOTING DEPTH.
4. BACKFILL SHALL BE COMPACTED BY MECHANICAL MEANS. FLOODING OR WATER INUNDATION SHALL NOT BE PERMITTED.
5. BACKFILL SHALL BE PLACED IN ALTERNATING LIFTS ON EACH SIDE OF THE FOUNDATION WALLS TO MAINTAIN STABILITY OF THE FOUNDATION WALLS.
6. BACKFILL SHALL NOT BE PLACED AGAINST BASEMENT FOUNDATION WALLS UNLESS WALLS ARE ADEQUATELY BRACED TOP AND BOTTOM. FINAL WALL BRACING IS BASEMENT SLAB AND 1ST FLOOR STRUCTURE. IF THESE ELEMENTS ARE NOT IN PLACE AT TIME OF BACKFILL, CONTRACTOR SHALL PROVIDE AN ENGINEERED, TEMPORARY BRACING SYSTEM. THE TEMPORARY BRACING SYSTEM PROPOSED SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO BACKFILLING.

MASONRY NOTES:

- 1. CONCRETE BLOCK MASONRY UNITS SHALL CONFORM TO GRADE 'N', MOISTURE CONTROLLED TYPE I REQUIREMENTS OF ASTM C90, WITH AN ASSUMED COMPRESSIVE STRENGTH Fm = 1500 psi. MORTAR SHALL CONFORM TO ASTM C270 AND SHALL BE TYPE 'M' OR TYPE 'S' WITH TYPE 'M' BELOW GRADE.
2. BOND BEAMS SHALL HAVE 2 - #5 REINFORCING BARS CONTINUOUS. PROVIDE AT TOP OF WALLS AND WHERE SHOWN ON PLAN OR DETAILS. SEE STANDARD DETAILS FOR TYPICAL CORNER BARS.
3. CONCRETE GROUT FOR UNIT MASONRY CORES AND BOND BEAMS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 psi.
4. MASONRY WALLS ARE TO BE SUPPORTED LATERALLY UNTIL THE ENTIRE ROOF AND/OR FLOOR IS IN PLACE AS DETAILLED.
5. WIRE REINFORCING FOR CMU WALLS SHALL BE CORROSION RESISTANT #9 G. HORIZONTAL JOINT REINFORCING CONFORMING TO ASTM A951. REINFORCING SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS WITH MAXIMUM SPACING OF 16" O.C. (U.O.N.).
6. MASONRY REINFORCING SHALL BE LAPPED AS FOLLOWS:
7. VERTICAL REINFORCING BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT 192 (REIN.) DIAMETER INTERVALS MAXIMUM. LENGTH OF REINFORCING BARS TO BE COORDINATED WITH GENERAL CONTRACTOR AND MASONRY CONTRACTOR.
8. WHERE CELLS ARE TO BE FILLED W/ CONCRETE GROUT, PROVIDE ADDITIONAL FULL MORTAR BED AT CROSS WEBS ENCLOSED GROUTED CELL.
9. CONSOLIDATE ALL CONCRETE GROUT BY PUDDLING OR VIBRATING.
10. BLOCK COURSING SHOWN ON STRUCTURAL PLANS MAY NOT BE REPRESENTATIVE OF ACTUAL COURSING. SEE ARCHITECTURAL PLANS AND SECTIONS FOR ACTUAL LAYOUT OF BLOCK COURSING.
11. MASONRY PIERS SHALL BE LAID UP SIMULTANEOUSLY WITH WALLS AND SHALL BE INTERLOCKED WITH WALL BLOCKS.
12. FIRST COURSE OF ALL HOLLOW MASONRY SHALL BE PLACED ON A FULL BED OF MORTAR.
13. CAST DOWELS, WITH STANDARD HOOKS, IN FOOTINGS FOR PIERS AND WALLS ABOVE. DOWELS SHALL BE THE SAME SIZE AND SPACING OF VERTICAL REINFORCING (U.O.N.).

REINFORCING STEEL SPLICE LENGTHS STANDARD NON-COATED BARS

Table with columns: Concrete Strength (F'c), Splice Class (A, B, C), and Splice Length (Bd)

NOTES:

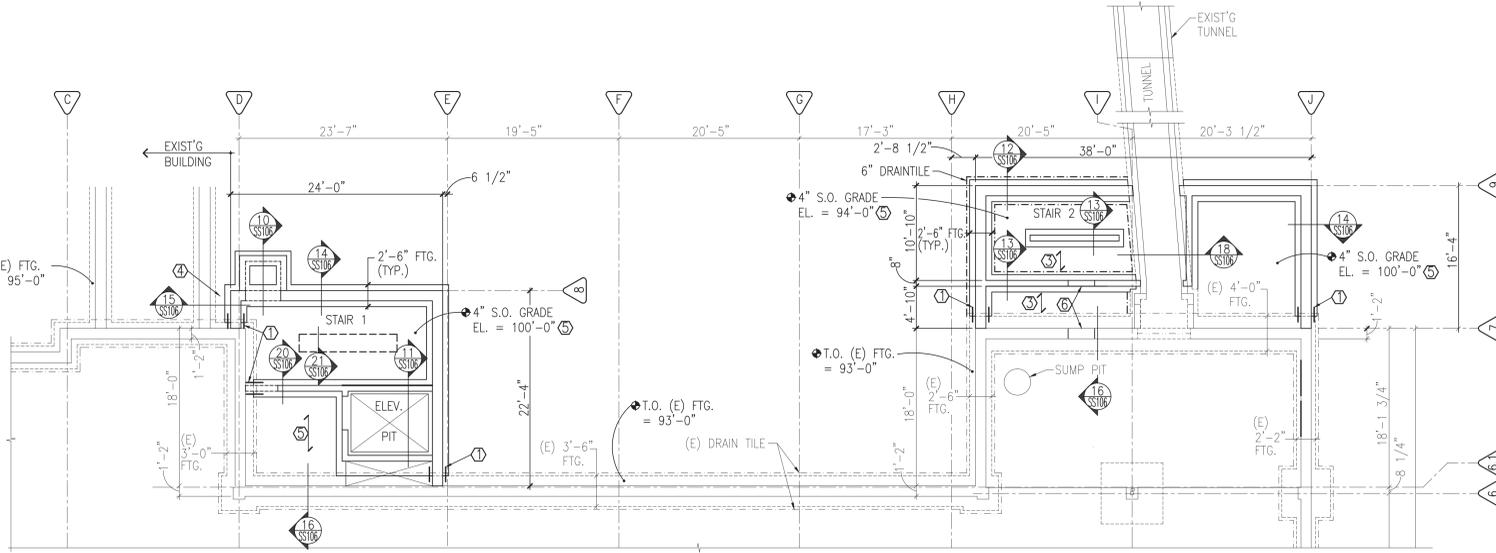
- 1. MIN. LAP: 18" FOR TYPE #1 THRU TYPE #3 & 12" FOR TYPE #4 SPLICES.
2. REQ'D SPLICE LENGTH = LISTED SPLICE LENGTH x ADJUSTMENT FACTORS
3. ALL ADJUSTMENT FACTORS THAT APPLY SHALL BE USED TO CALCULATE REQUIRED SPLICE LENGTH.

KEYNOTES:

- 1. 2-#6 x 1'-8" DWL DRILL 8" INTO EXISTING FTG. & GROUT SOLID
2. L 3 x 3 x 1/4" W/ 5/8" EXP. ANCHOR @ 1'-4" O.C.
3. 5 1/2" SLAB W/ #4 @ 8" O.C. EW.
4. DUE TO PROXIMITY OF EXISTING FTG. THIS PORTION OF NEW FTG. MUST BE EARTH FORMED AND STOOD FTG. EXCAVATED AFTER WALL IS BACKFILLED TO TOP OF EXISTING FTG.
5. 4" S.O. GRADE - REINF. W/ #4 @ 1'-0" O.C. EW.
6. 30"x36" OPENING - S.D. 19/SS106

STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL WORK SHALL BE PER AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION, NINTH EDITION, MATERIAL:
2. WELDED CONNECTIONS SHALL BE MADE IN ACCORDANCE W/ THE LATEST RECOMMENDATIONS OF:
3. COLUMN BASE AND CAP PLATES TO BE WELDED AROUND ALL SIDES.
4. BOTTOM PLATE OF STEEL LINTELS SHALL BE WELDED TO THE BEAM WITH 3/16" FILLET WELD (BOTH SIDES) 3" LONG @ 12" O.C. (U.O.N.).
5. WELDS NOT SPECIFIED SHALL BE A FILLET WELD, CONTINUOUS AND/OR ALL AROUND WITH MINIMUM THROAT DIMENSION AS REQUIRED FOR MATERIAL THICKNESS PER AWS.
6. STRUCTURAL FABRICATORS SHALL SHOW ALL FIELD WELDING REQUIREMENTS ON SHOP DRAWINGS SUBMITTED TO THE ENGINEER.
7. BEFORE ENCASED STEEL COLUMNS IN CONCRETE OR MASONRY, COAT COLUMN BASES AND TOPS OF ANCHOR BOLTS WITH ASPHALTIC ROOF CEMENT.
8. BEAMS AND COLUMNS SHALL BE ERECTED TRUE AND PLUMB WITHIN AISC TOLERANCE. PROVIDE TEMPORARY BRACING AS REQUIRED.
9. BEARING PLATES FOR STEEL COLUMNS SHALL BE DRY PACKED WITH A NON-SHRINK, NON-METALLIC GROUT AS SPECIFIED.
10. BRIDGING SHALL BE SUPPLIED AND DESIGNED BY THE STEEL JOIST SUPPLIER, AS PER AISI STANDARDS. FOR THE PROJECT DESIGN LOADS. STEEL JOIST SUPPLIER TO PROVIDE CONNECTIONS TO ANCHOR BRIDGING TO MASONRY AND/OR CONCRETE WALLS. SEE STANDARD DETAILS.
11. PROVIDE DOUBLE ANGLE CONNECTIONS AS DESCRIBED IN PART 10 OF THE AISC MANUAL OF STEEL CONSTRUCTION (13TH ED-ASD)
12. FRAMED STEEL BEAM CONNECTIONS SHALL BE "BEARING TYPE", (U.O.N.).
13. STEEL BEAM KEY:
14. LINTELS SHALL HAVE A BEARING OF 1" PER FOOT OF SPAN AT EACH END, 8" MIN. LINTEL ANGLES WHICH HAVE NOT BEEN SHOWN OTHERWISE, TO BE AS FOLLOWS FOR EACH 4" OF WALL THICKNESS:
15. DO NOT PAINT STEEL TO BE FIELD WELDED.
16. STEEL JOISTS TO BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH STEEL JOIST INSTITUTE SPECIFICATIONS.
17. VERIFY LOCATION OF ROOF OPENINGS WITH MECHANICAL CONTRACTOR. ROOF OPENINGS SHALL BE FRAMED WITH L 3" x 3" x 3/8" ON FOUR SIDES. (U.O.N.) SEE STANDARD DETAILS.
18. ROOF PERIMETER STEEL ELEMENTS SUCH AS ANGLES OR BENT PLATES NOTED TO BE CONTINUOUS SHALL BE FIELD SPLICED WITH FULL LENGTH SQUARE GROOVE FULL PENETRATION WELD UTILIZING A MINIMUM 3/16" ROOT OPENING.



FOOTING & FOUNDATION/ GROUND FLOOR PLAN 1/8" = 1'-0" T.O. FOOTING EL. = 93'-0" (U.O.N.)

PRECAST PRESTRESSED CONCRETE NOTES:

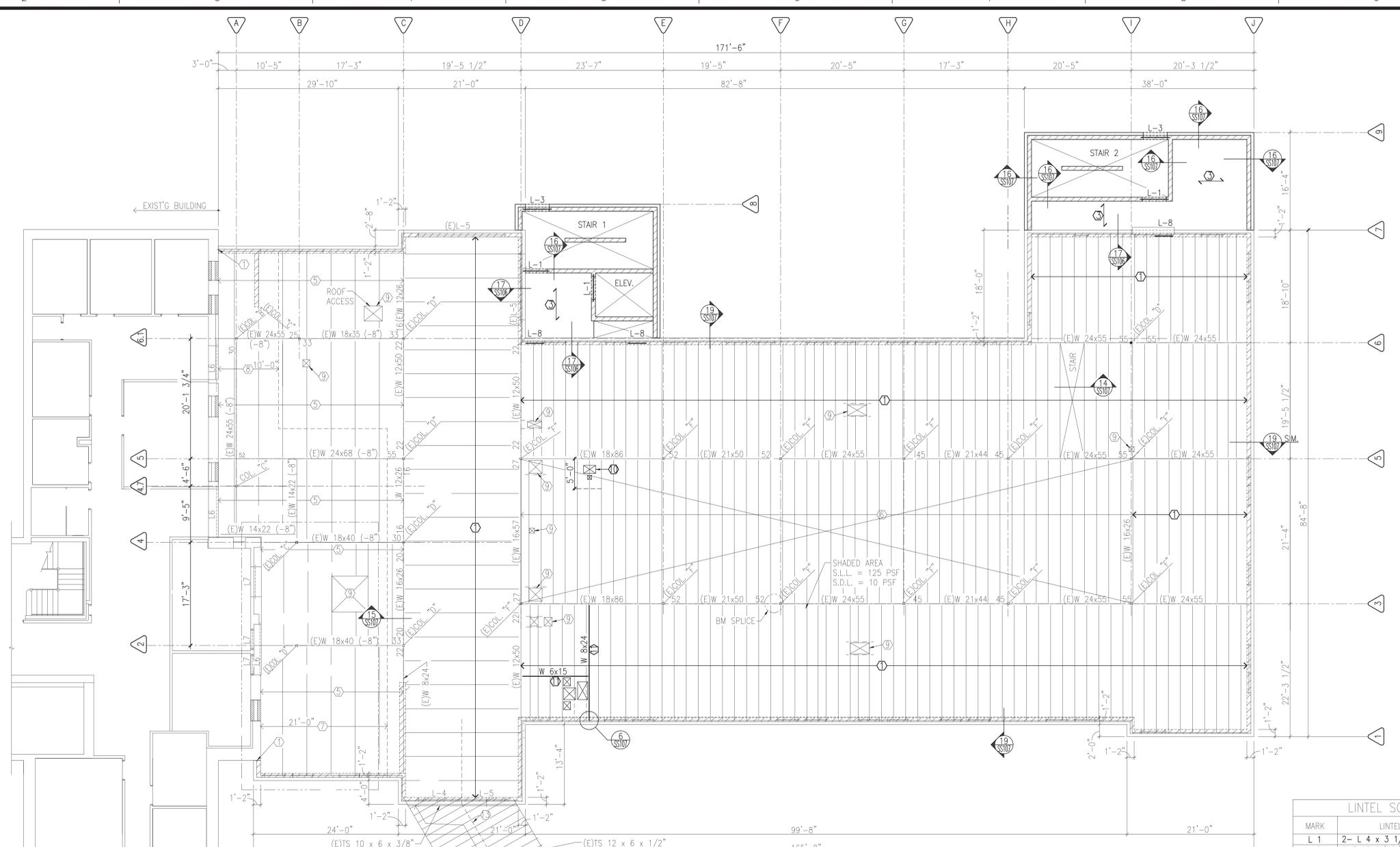
- 1. PRECAST CONCRETE UNITS SHALL BE DESIGNED TO SUPPORT THE SUPERIMPOSED LOADS AS INDICATED ON THE CONTRACT DOCUMENTS FOR THE SPANS INDICATED. DESIGN SHALL BE IN ACCORDANCE WITH THE ACI 318 AND UNDER THE SUPERVISION OF REGISTERED PROFESSIONAL ENGINEER. ADDITIONAL LOADS SUCH AS SNOW DRIFT LOADING AND LOADS FROM ALL OTHER DISCIPLINES SHALL BE THE RESPONSIBILITY OF THE P.C. ENGINEER.
2. SEE SPECIFICATIONS FOR CONCRETE AND REINFORCING REQUIREMENTS.
3. VERIFY SIZE, NUMBER AND LOCATION OF OPENINGS WITH THE MECHANICAL, ELECTRICAL, STRUCTURAL, AND ARCHITECTURAL PLANS.
4. PRECAST SUPPLIER TO SHOW FIELD ANCHORAGE REQUIREMENTS ON SUBMITTED SHOP DRAWINGS.
5. PRECAST MEMBERS HAVE BEEN INDICATED ON THE DRAWINGS BY GENERAL SIZE AND DEPTH. THE STRUCTURAL ANALYSIS AND DESIGN OF THESE ITEMS, AS WELL AS LIFTING DEVICES FOR PRE-STRESSED CONCRETE MEMBERS, SHALL BE PERFORMED BY THE PRECAST MANUFACTURER.
6. PRECAST SUPPLIER SHALL PROVIDE INSERTS & ANCHORS IN PRECAST CONC. UNITS FOR SUPPORT OF MECHANICAL & ELECTRICAL EQUIPMENT OR ARCHITECTURAL ITEMS. VERIFY LOCATIONS W/ ARCHITECT.
7. ALL SUBMITTAL DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE. THE PROJECT WILL BE CONSTRUCTED, USING THE DESIGN LOADS & SPAN CONDITIONS INDICATED ON THE CONTRACT DOCUMENTS.
8. HEADERS AT OPENINGS THROUGH PRECAST MEMBERS SHALL BE SUPPLIED BY THE PRECAST SUPPLIER. PRECAST UNITS ADJACENT TO THE OPENINGS SHALL BE DESIGNED FOR THE ADDITIONAL LOAD AT EACH BEARING LOCATION.
9. PRECAST SUPPLIER SHALL BE RESPONSIBLE FOR OPENINGS 8" AND LARGER IN SIZE THROUGH PRECAST MEMBERS. HOLES LESS THAN 8" SHALL BE CUT BY THE TRADE INVOLVED WITH THE APPROVAL OF THE PRECAST SUPPLIER.
10. PRECAST MEMBERS SHALL BE ERECTED SIMULTANEOUSLY ON EACH SIDE OF SUPPORTING WALLS AND BEAMS TO MAINTAIN STABILITY.
11. PRECAST SUPPLIER SHALL PROVIDE INSERTS AND ANCHORS IN PRECAST CONCRETE UNITS FOR SUPPORT OF MECHANICAL AND ELECTRICAL EQUIPMENT AND/OR ARCHITECTURAL ITEMS. VERIFY LOCATIONS WITH APPROPRIATE TRADE.

FOOTING SCHEDULE table with columns: SIZE, DEPTH, REINFORCING (TRANS., LONG.), REMARK

CONSTRUCTION DOCUMENTS SUBMISSION

Professional stamps and signatures for Structural, Mechanical, Fire Protection & Electrical, Civil, and Industrial Hygienist. Includes project information for Footing and Foundation/ Ground Floor Plan and Expans / Construct Outpatient Mental Health Clinic.

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot



MARK	COL. SIZE	BASE PLATE	DETAIL
"A"	TS 4 x 4 x 1/4"	10" x 10" x 1"	
"B"	TS 5 x 5 x 1/4"	11" x 11" x 1 1/4"	
"C"	TS 6 x 6 x 1/4"	12" x 12" x 1 1/4"	
"D"	TS 6 x 6 x 5/16"	12" x 12" x 1 1/4"	
"E"	TS 6 x 6 x 3/8"	12" x 12" x 1 1/2"	
"F"	TS 6 x 6 x 1/2"	12" x 12" x 1 1/2"	

MARK	LINTEL	DETAIL
L 1	2- L 4 x 3 1/2 x 1/4"	S.D. 11/SS107
L 2	W 8x10 W/ 1/4" PLATE	EXIST.
L 3	WT 5x11 W/ 1/4" PL. & L 4 x 3 1/2 x 1/4" GALV.	S.D. 11/SS107
L 4	W 8x24 W/ 1/4" PLATE	EXIST.
L 5	W 16x31 W/ 1/4" PLATE	EXIST.
L 6	W 8x13	EXIST.
L 7	L 3 1/2 x 3 x 1/4"	EXIST.
L 8	2- L 3 1/2 x 3 1/2 x 1/4"	S.D. 17/SS106

FIRST FLOOR FRAMING PLAN
 1/8" = 1'-0" ◐ HOLLOWCORE BRG. EL. = 112'-8" (U.O.N.)

- KEYNOTES:**
- ① EXISTING 8" HOLLOWCORE ROOF PLANK W/ NEW 3" CONC. TOPPING. S.D.L. = 60 PSF (INCLUDES 3" CONC. TOPPING) S.D.L. = 80 PSF (ROOMS & OFFICE)
 - ② EXISTING 9 1/4" CSJ 12GA METAL JOISTS @ 1'-4" O.C.
 - ③ 5 1/2" CONC. SLAB W/ #4 @ 8" O.C. EW.
 - ④ EXISTING 12K1 STEEL JOIST W/ R6 JOIST EXTENSION.
 - ⑤ EXISTING 8" HOLLOWCORE ROOF PLANK (FUTURE FLOOR) S.D.L. = 25 PSF S.L.L. = 30 PSF SNOW (WITH DRIFT LOAD SEE PLAN)
 - FUTURE FLOOR LOAD S.D.L. = 60 PSF (INCLUDES 3" CONC. TOPPING) S.L.L. = 80 PSF (ROOMS & OFFICE)
 - ⑥ EXISTING 8" HOLLOWCORE W/ 3" NON-STRUCTURAL TOPPING ON WATERPROOF MEMBRANE S.D.L. = 45 PSF (INCLUDES TOPPING) S.L.L. = 150 PSF
 - ⑦ SNOW DRIFT 121 PSF @ HIGH ROOF TO 30 PSF @ DISTANCE SHOWN
 - ⑧ SNOW DRIFT 75 PSF @ HIGH ROOF TO 30 PSF @ DISTANCE SHOWN
 - ⑨ EXISTING MECH. OR ARCH. OPENING VERIFY SIZE & LOCATION
 - ⑩ CENTER NEW OPENING ON JOINT BETWEEN 2 PANELS. GROUT CORES SOLID 5'-0" FROM GRID '5'.
 - ⑪ ADD STEEL TO SUPPORT CUT PANELS. SHIM TIGHT TO CUT PANELS, S.D. 2/S107 & 6/S107.
- NOTES:**
- 1. SEE SHEET SS101 FOR STRUCTURAL NOTES
 - 2. REINF. ALL MASONRY WALLS W/ #5 VERT. @ 3'-4" O.C. (U.O.N.)

CONSTRUCTION DOCUMENTS SUBMISSION

NO.	REVISION	DATE

STRUCTURAL
 HEYER ENGINEERING
 1500 NORTH STREET, SE
 PALM BAY, NORTH DAKOTA 58103

MECHANICAL, FIRE PROTECTION & ELECTRICAL
 OBERMILLER-NELSON ENGINEERING, INC.
 2011 15TH STREET NORTH, STE. 4
 PALM BAY, NORTH DAKOTA 58103

CIVIL
 HANSEN THORP PELLIN OLSON, INC.
 7100 MARKET PLACE DRIVE
 RIVER PRAIRIE, ILL. 60541

LEED
 EcoDEEP
 5100 FORTUNE AVE
 DAVENPORT, IA 50541

BUILDING COMMISSIONING
 COMMISSIONING SOLUTIONS
 2201 15TH STREET NORTH, STE. 8
 PALM BAY, NORTH DAKOTA 58103

INDUSTRIAL HYGIENIST
 LEGEND TECHNICAL SERVICES, INC.
 1100 WENTWORTH DRIVE
 PALM BAY, ND 58103

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

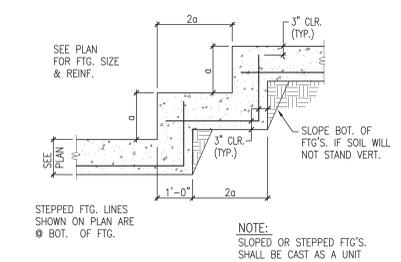
David Bruers
 DATE: 12-11-14 REG. NO: 19787

APPROVED: SERVICE LINE DIRECTOR	DATE:	APPROVED: INSPECTION CONTROL, NURSE	DATE:
APPROVED: GEN. COORDINATOR	DATE:	APPROVED: PATIENT SAFETY	DATE:
APPROVED: PROJECTS SECTION MANAGER	DATE:	APPROVED: CHIEF OF POLICE	DATE:
APPROVED: DIRECTOR ENG	DATE:	APPROVED: SAFETY MANAGER	DATE:

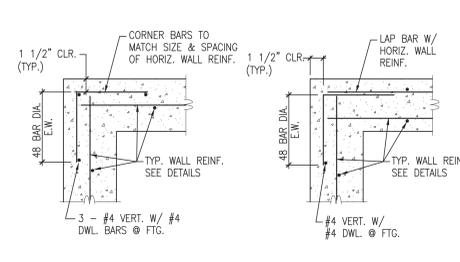
DRAWING TITLE: FIRST FLOOR FRAMING PLAN	PROJECT FILE: EXPAND / CONSTRUCT OUTPATIENT MENTAL HEALTH CLINIC	DATE: 12/16/14
APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR	DATE:	PROJECT NO: 656-041
APPROVED: CHIEF OF STAFF	DATE:	ISS. PROJ. NO.: 1327.00
APPROVED: HEALTH CARE SYSTEM DIRECTOR	DATE:	DRAWING NO.: 11-SS102
BUILDING NO.: 111	CREATED BY: DB	DRAWN BY: CH
LOCATION: VIA MEDICAL CENTER ST. CLOUD, MN 56201	DATE: 12/16/14	DATE: 12/16/14



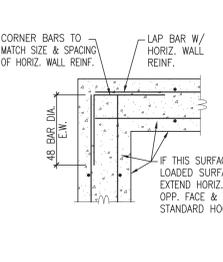
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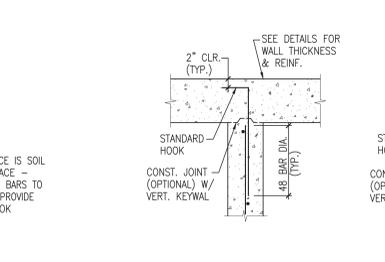
1 STEPPED WALL FTG'S
 SS106 NO SCALE



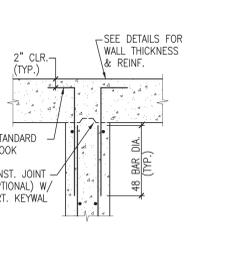
2 TYPICAL CORNER BAR DETAIL
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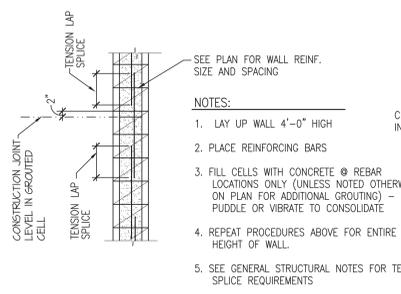
3 TYP. WALL INTERSECTION DETAIL
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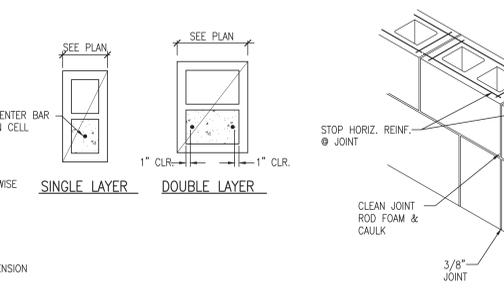
4 FDN. WALL CONST. JOINT
 SS106 NO SCALE



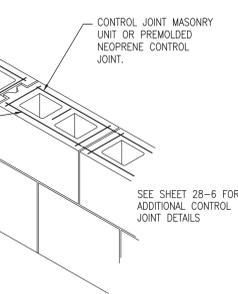
5 FTG. CORNER DETAIL
 SS106 NO SCALE



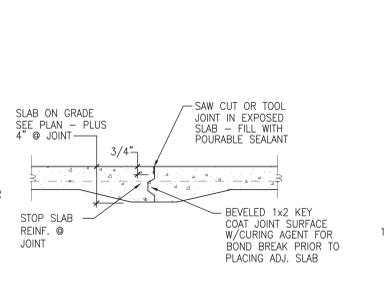
6 REINFORCED MASONRY WALL
 SS106 NO SCALE



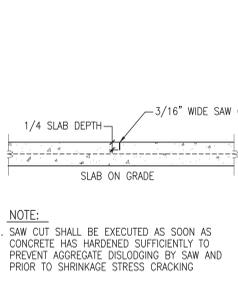
7 MASONRY WALL CONTROL JOINT
 SS106 NO SCALE



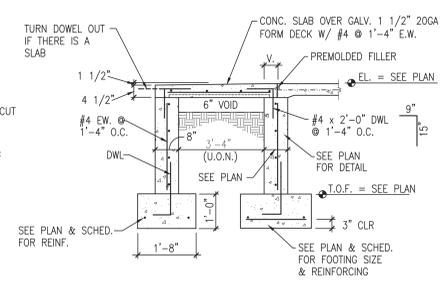
8 FLR. CONSTRUCTION JOINT (CCJ)
 SS106 NO SCALE



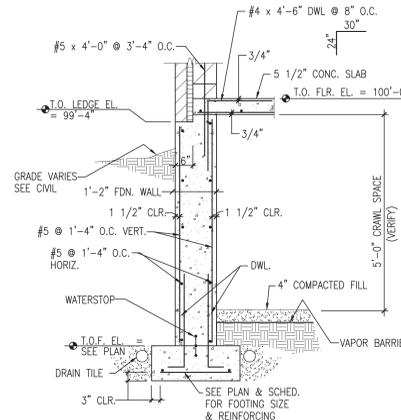
9 FLOOR CONTROL JOINT (CJ)
 SS106 NO SCALE



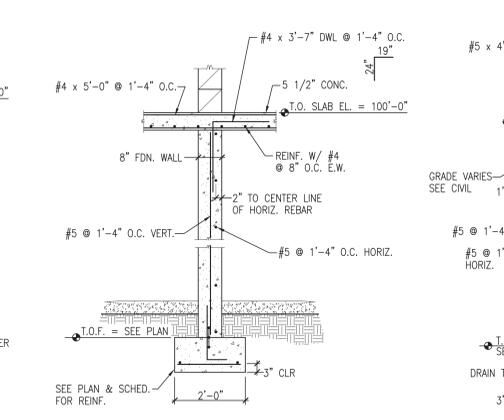
10 STOOP DETAIL
 SS106 1/2" = 1'-0"



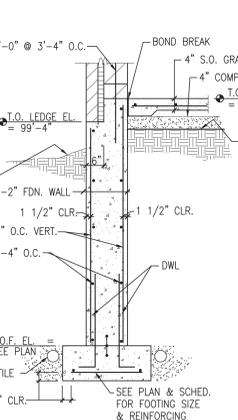
11 ELEVATOR PIT DETAIL
 SS106 1/2" = 1'-0"



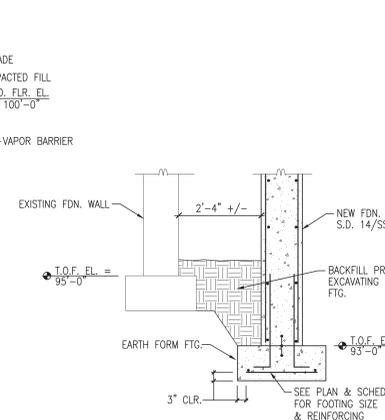
12 FDN. WALL DETAIL
 SS106 1/2" = 1'-0"



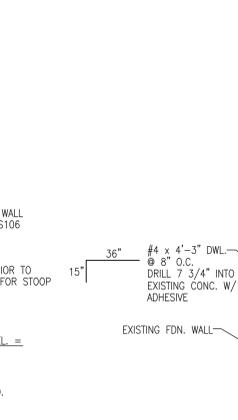
13 FDN. WALL DETAIL
 SS106 1/2" = 1'-0"



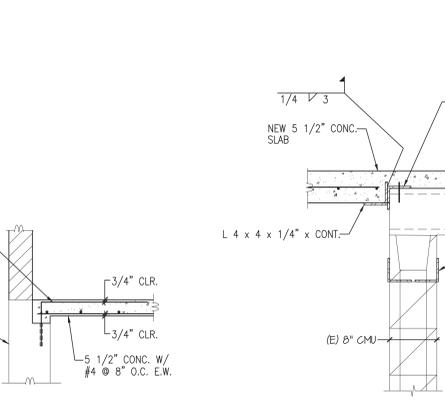
14 FDN. WALL DETAIL
 SS106 1/2" = 1'-0"



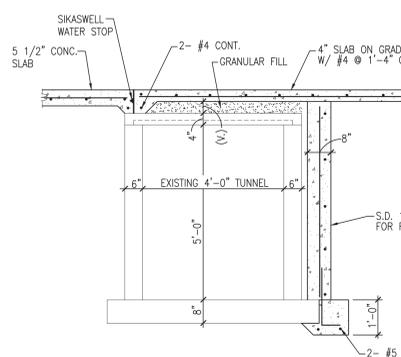
15 FTG. EXCAVATION
 SS106 1/2" = 1'-0"



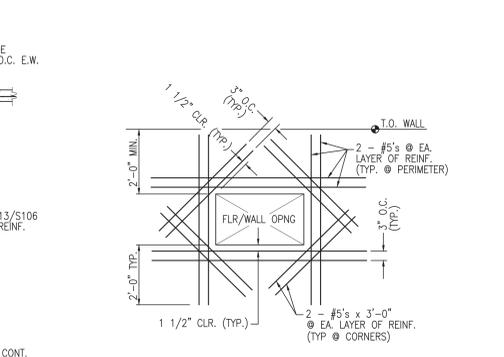
16 DECK BRG @ EXISTING
 SS106 1/2" = 1'-0"



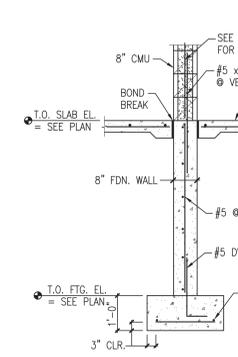
17 CONN. DETAIL
 SS106 1" = 1'-0"



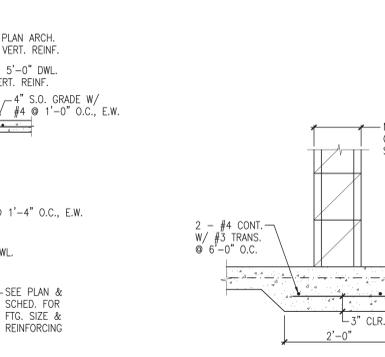
18 SLAB @ TUNNEL
 SS106 1/2" = 1'-0"



19 ADD'L REINF. @ OPENING
 SS106 NO SCALE



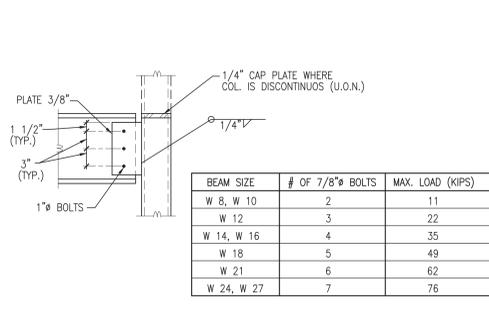
20 INT. FDN. WALL DETAIL
 SS106 1/2" = 1'-0"



21 THK. SLAB DETAIL
 SS106 NO SCALE

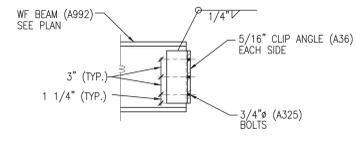
CONSTRUCTION DOCUMENTS SUBMISSION

<p>STRUCTURAL HEYER ENGINEERING 1001 NORTH STATE STREET PALM BEACH, FLORIDA 33480</p> <p>MECHANICAL, FIRE PROTECTION & ELECTRICAL OBERMILLER-NELSON ENGINEERING, INC. 7100 MARKET PLACE DRIVE PALM BEACH, FLORIDA 33480</p> <p>CIVIL HANSEN THORP PELLIN OLSON, INC. 7100 MARKET PLACE DRIVE PALM BEACH, FLORIDA 33480</p> <p>INDUSTRIAL HYGIENE LEGEND TECHNICAL SERVICES, INC. 1100 WINDING DRIVE PALM BEACH, FLORIDA 33480</p>	<p>LEED EcoDEEP 5100 PINEHURST AVE PALM BEACH, FLORIDA 33480</p> <p>COMMISSIONING SOLUTIONS 2201 ESTE STREET NORTH, SUITE 8 PALM BEACH, FLORIDA 33480</p>	<p>APPROVED: SERVICE LINE DIRECTOR DATE: _____</p> <p>APPROVED: INFECTION CONTROL NURSE DATE: _____</p> <p>APPROVED: GENIC COORDINATOR DATE: _____</p> <p>APPROVED: PATIENT SAFETY DATE: _____</p> <p>APPROVED: PROJECTS SECTION MANAGER DATE: _____</p> <p>APPROVED: CHIEF OF POLICE DATE: _____</p> <p>APPROVED: DIRECTOR FWG DATE: _____</p> <p>APPROVED: SAFETY MANAGER DATE: _____</p>	<p>DRAWING TITLE FOUNDATION DETAILS</p> <p>PROJECT TITLE EXPAND / CONSTRUCT OUTPATIENT MENTAL HEALTH CLINIC</p> <p>DATE: 12/16/14</p> <p>PROJECT NO: 656-041</p> <p>ISS. PROJ. NO: 1327-00</p> <p>DRAWING NO.: 11-SS106</p> <p>DATE: 12/16/14</p> <p>SCALE: 1/11</p> <p>BY: [Signature]</p> <p>CHK: [Signature]</p> <p>APP.: [Signature]</p> <p>DATE: 12/16/14</p> <p>NO. OF SETS: 05</p> <p>TOTAL SETS: 120</p>	<p>St. Cloud VA Health Care System Brainerd Montevideo Alexandria</p>



BEAM SIZE	# OF 7/8" BOLTS	MAX. LOAD (KIPS)
W 8, W 10	2	11
W 12	3	22
W 14, W 16	4	35
W 18	5	49
W 21	6	62
W 24, W 27	7	76

1 BM - COLUMN CONNECTION
1" = 1'-0"



# OF ROWS	CONNECTION CAPACITY (KIPS) A992 (Fy = 50KSI)				
	3/16"	1/4"	5/16"	3/8"	7/16"
2	24	33	37	37	37
3	37	49	55	55	55
4	49	65	74	74	74
5	62	79	93	93	93
6	76	93	111	111	111
7	93	111	130	130	130
8	111	130	148	148	148

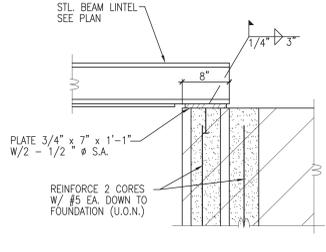
2 CONNECTION DETAIL
1" = 1'-0"

NOTE:
USE NUMBER OF ROWS OF BOLTS REQ'D. BASED ON REACTIONS LISTED ON PLANS. USE MINIMUM ROWS AS LISTED.

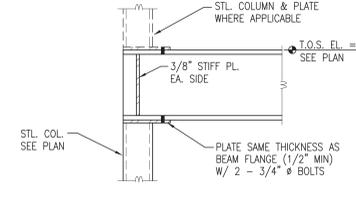
SPAN	4" VENEER			8" WALL			12" WALL		
	0 - 4'	4' - 6'	6' - 8'	0 - 4'	4' - 6'	6' - 8'	0 - 4'	4' - 6'	6' - 8'
0 - 4'	L 3 1/2" x 3 1/2" x 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"
4' - 6'	L 4" x 3 1/2" x 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"
6' - 8'	L 5" x 3 1/2" x 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"
8' - 10'	L 6" x 3 1/2" x 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	WT 5x6 W/ PLATE 1/4"	W 8x10 W/ PLATE 1/4"

3 LINTEL SCHEDULE
NO SCALE

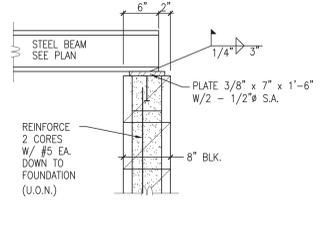
NOTE:
1. THIS SCHEDULE IS FOR ALL LINTELS WHICH HAVE NOT BEEN CALLED OUT OR DETAILED.
2. LINTELS SHALL HAVE A BEARING OF 2" PER FOOT OF SPAN @ EACH END (6" MIN.)
3. SEE ARCHITECTURAL, MECHANICAL & ELECTRICAL PLANS FOR OPENINGS NOT SHOWN.
4. ALL OPENINGS WILL REQUIRE A LINTEL - SUPPLY A MINIMUM 40' OF W 8x10 W/ 1/4" PLATE FOR MECH. OPENINGS



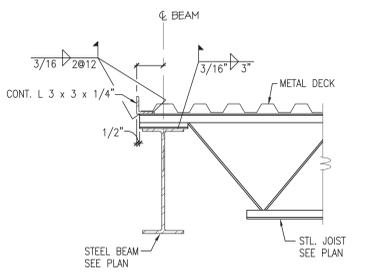
4 BEAM BRG. @ INTERIOR WALL
1" = 1'-0"



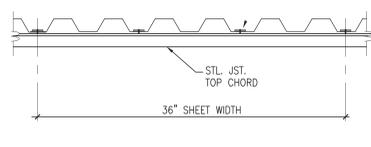
5 BEAM END DETAIL
1" = 1'-0"



6 BEAM BRG. DETAIL
1" = 1'-0"

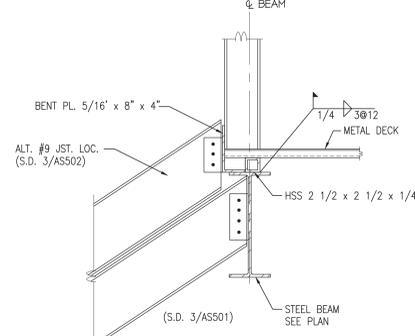


7 JOIST BRG. DETAIL
1" = 1'-0"

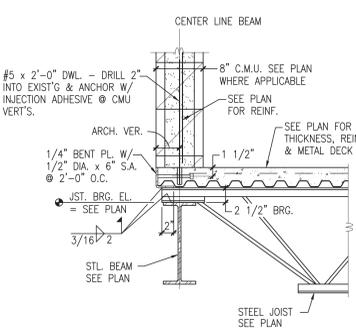


8 ROOF DECK FASTENING
NO SCALE

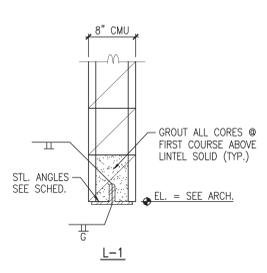
NOTES:
1. LAP DECK ENDS 2" MINIMUM AND WELD TO SUPPORT @ 6" O.C.



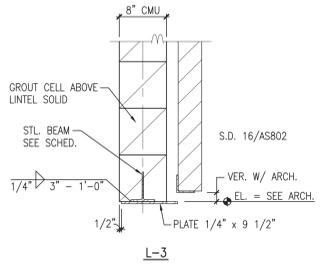
9 DECK BRG. DETAIL
1" = 1'-0"



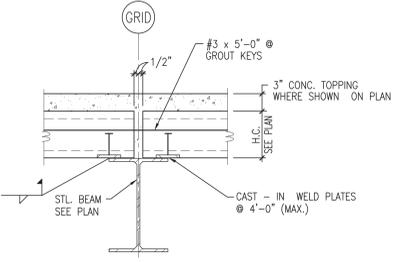
10 JOIST BRG. DETAIL
1" = 1'-0"



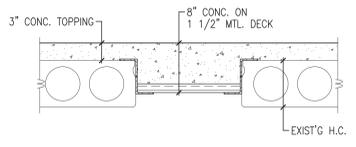
11 LINTEL BEAM DETAIL
1" = 1'-0"



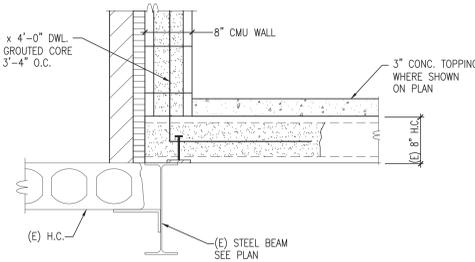
12 BEAM SPLICE DETAIL
1" = 1'-0"



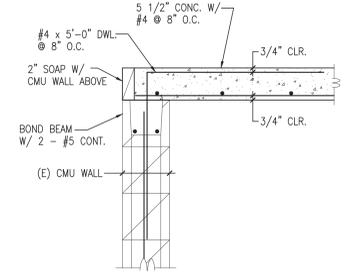
13 HC BEARING DETAIL
1" = 1'-0"



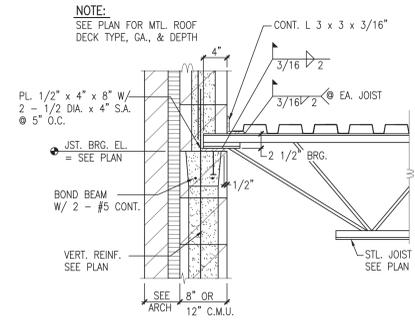
14 INFILL DETAIL
1" = 1'-0"



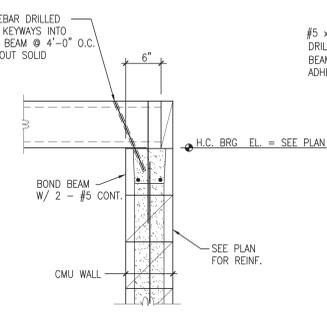
15 HC BEARING DETAIL
1" = 1'-0"



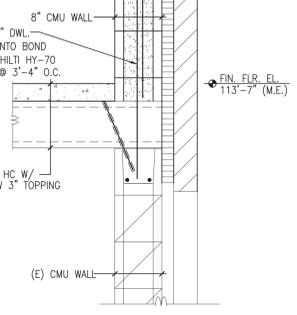
16 DECK BRG. DETAIL
1" = 1'-0"



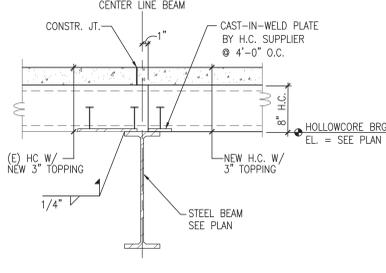
17 JOIST BRG. DETAIL
1" = 1'-0"



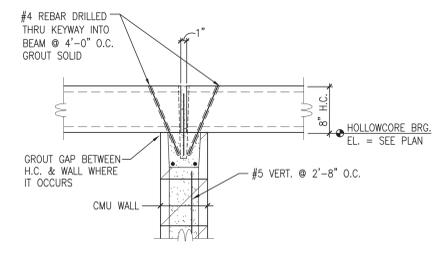
18 H.C. BEARING DETAIL
1" = 1'-0"



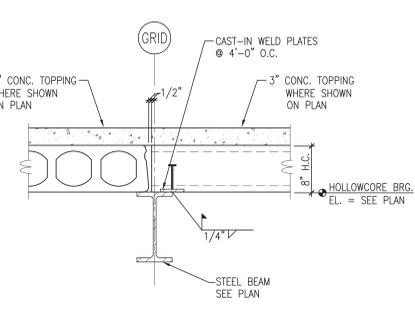
19 H.C. BEARING DETAIL
1" = 1'-0"



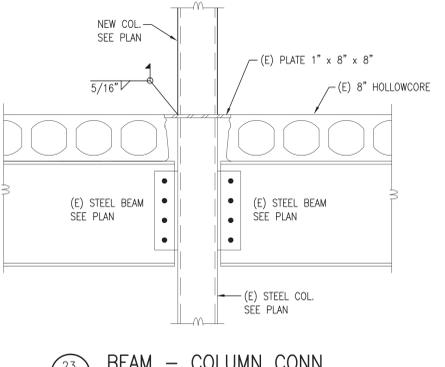
20 H.C. BEARING DETAIL
1" = 1'-0"



21 HOLLOW CORE CONN.
1" = 1'-0"



22 H.C. BEARING DETAIL
1" = 1'-0"

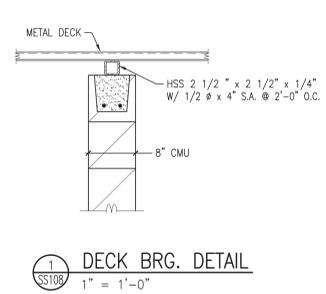


23 BEAM - COLUMN CONN.
1" = 1'-0"

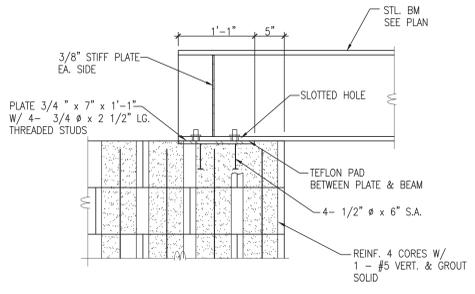
CONSTRUCTION DOCUMENTS SUBMISSION

Foss 810 First Avenue North Fargo, North Dakota 58102 Phone: 701-282-5500 Fax: 701-282-5338 info@fossarch.com	STRUCTURAL HEYER ENGINEERING 1500 SOUTH STREET, #2 FARGO, NORTH DAKOTA 58103	MECHANICAL, FIRE PROTECTION & ELECTRICAL OBERMILLER-NELSON ENGINEERING, INC. 2201 LEON STREET, SUITE #2 FARGO, NORTH DAKOTA 58103	CIVIL HANSEN THORP PELLINEN OLSON, INC. 700 MARKET PLACE NORTH BISMARCK, ND 58104	INDUSTRIAL HYGIENE LEGEND TECHNICAL SERVICES, INC. 1108 WENTWORTH DRIVE FARGO, ND 58103	I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. <i>David Bruer</i> DATE: 12-14-14 REG. NO: 19787	APPROVED: SERVICE LINE DIRECTOR DATE: _____ APPROVED: GENS COORDINATOR DATE: _____ APPROVED: PROJECTS SECTION MANAGER DATE: _____ APPROVED: DIRECTOR ENG DATE: _____	APPROVED: INFECTION CONTROL NURSE DATE: _____ APPROVED: PATIENT SAFETY DATE: _____ APPROVED: CHIEF OF POLICE DATE: _____ APPROVED: SAFETY MANAGER DATE: _____	DRAWING TITLE: FRAMING DETAILS APPROVED: ASSOCIATE HEALTH CARE SYSTEM DIRECTOR DATE: _____ APPROVED: CHIEF OF STAFF DATE: _____ APPROVED: HEALTH CARE SYSTEM DIRECTOR DATE: _____	PROJECT TITLE: EXPAND / CONSTRUCT OUTPATIENT MENTAL HEALTH CLINIC 12/16/14 PLOT SCALE: 1:11 PROJECT NO: 656-041 FOSI PROJ. NO. 1327-00 DRAWING NO: 11F-SS107 SHEET 58 OF 120	St. Cloud VA Health Care System Brainerd Montevideo Alexandria
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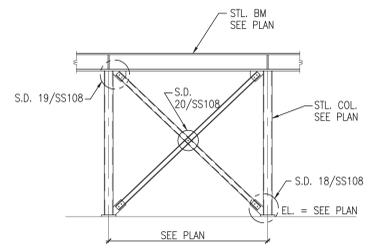
three inches = one foot
one and one half inches = one foot
one inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one eighth inch = one foot



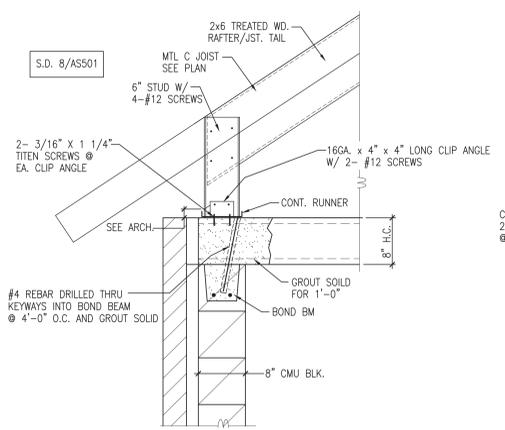
1 DECK BRG. DETAIL
1" = 1'-0"



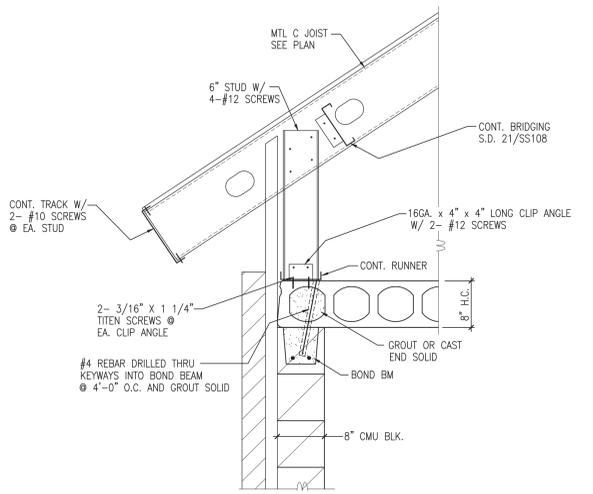
2 BEAM BRG. DETAIL
1" = 1'-0"



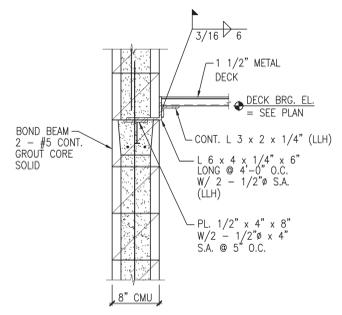
3 X-BRACE DETAIL
NO SCALE



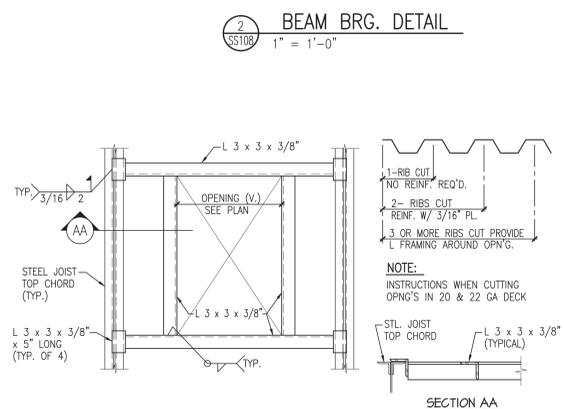
4 BRG. DETAIL (BASE BID)
1" = 1'-0"



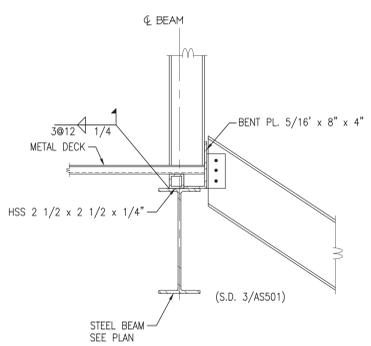
5 BRG. DETAIL (ALT. #9)
1" = 1'-0"



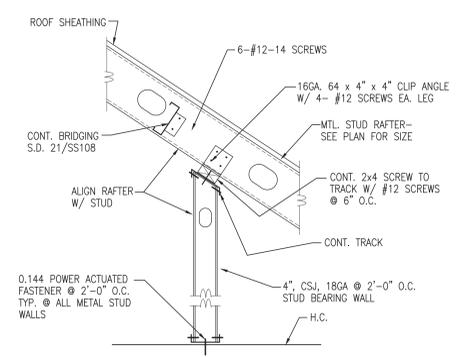
6 DECK BRG. DETAIL
1" = 1'-0"



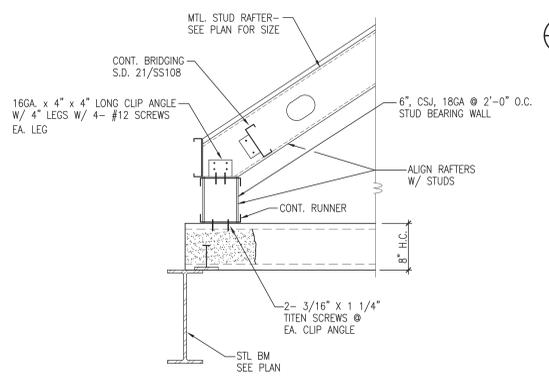
7 ANGLE FRAMING @ ROOF OPENING
NO SCALE



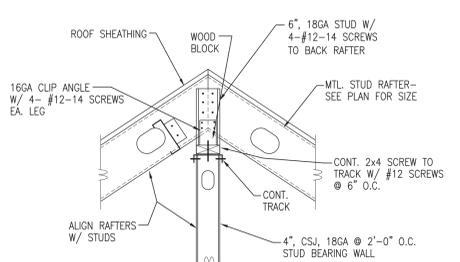
8 RAFTER BRG. DETAIL (BASE BID)
1" = 1'-0"



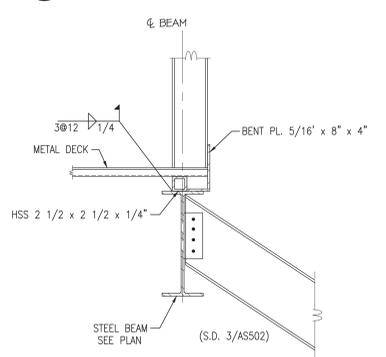
9 RAFTER BEARING DETAIL
1" = 1'-0"



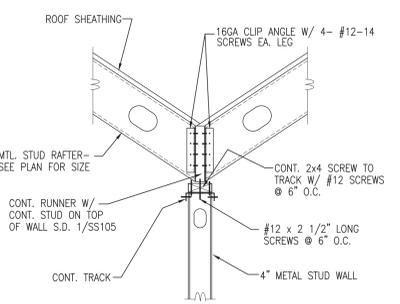
11 BRG. DETAIL
1" = 1'-0"



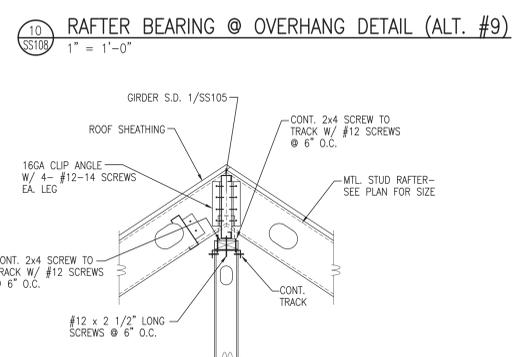
12 RAFTER BRG. @ RIDGE
1" = 1'-0"



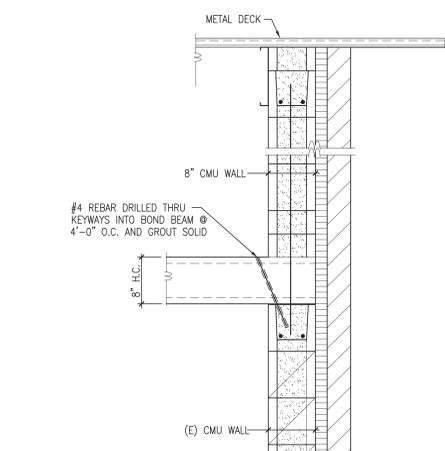
13 RAFTER BRG. DETAIL (ALT. #9)
1" = 1'-0"



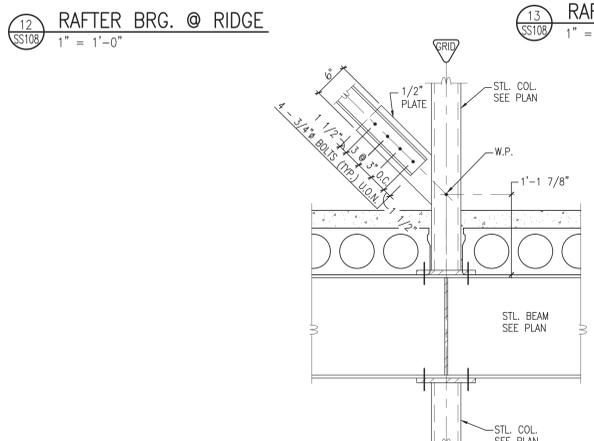
14 RAFTER CONN. @ VALLEY
1" = 1'-0"



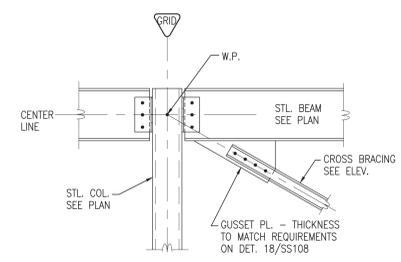
10 RAFTER BEARING @ OVERHANG DETAIL (ALT. #9)
1" = 1'-0"



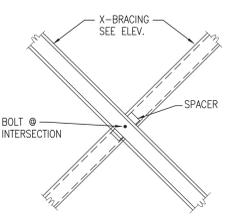
16 RAFTER BRG @ OVERHANG DETAIL (BASE BID)
1" = 1'-0"



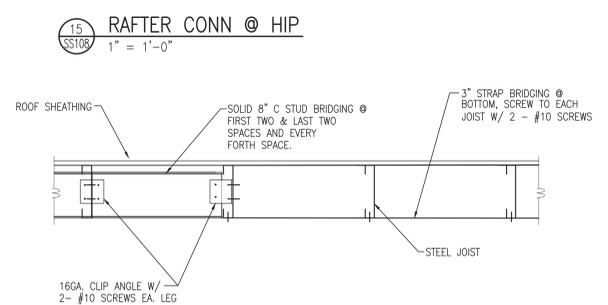
18 BRACE DETAIL
1" = 1'-0"



19 BRACING DETAIL
NO SCALE



20 BACK TO BACK CHANNEL DETAIL
NO SCALE



21 JOIST BRIDGING
1 1/2" = 1'-0"

CONSTRUCTION DOCUMENTS SUBMISSION

Professional stamps and signatures for Structural (HEYER ENGINEERING), Mechanical, Fire Protection & Electrical (OBERMILLER-NELSON ENGINEERING, INC.), Civil (HANSEN THORP PELLINEN OLSON, INC.), and Industrial Hygiene (LEGEND TECHNICAL SERVICES, INC.). Includes a signature for David Bruers, dated 12-14, REG. NO. 19787. Also includes project information for 'EXPAND / CONSTRUCT OUTPATIENT MENTAL HEALTH CLINIC' and a drawing title 'FRAMING DETAILS'.