#### STRUCTURAL NOTES

THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO INSERTS, ANCHORS, SLEEVES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONFIRM ALL THE FIELD DIMENSIONS ANY UNUSUAL CONSTRUCTION CONDITION THAT JEOPARDIZE SAFETY OF LABOR AND/OR PUBLIC, CONTRACTOR SHALL CONTACT ENGINEER IMMEDIATELY BEFORE PROGRESS, IN CASE OF AT THE TIME AND/OR IN FUTURE OR IN CASE OF THE ISCREPANCIES IN THE PROJECT AT THE TIME AND/OR IN FUTURE OR IN CASE OF THE ISCREPANCIES IN THE PROJECT

#### STRUCTURAL DESIGN SPECIFICATIONS

2020 BUILDING CODE of NEW YORK STATE DESIGN CODE: AS APPLICABLE WIND VELOCITY

: 140 MPH PER ASCE 7-16 WIND SPEED Vult

#### WIND EXPOSURE CATEGORY: B SEISMIC DESIGN CATEGORY: B DEAD LOADS: WEIGHT OF MATERIALS LIVE LOAD: 40 PSF SNOW LOAD: 30 PSF

ROOF LIVE LOAD: 20 PSF FLOK DEAD LOAD: 35 PSF

ANY ITEMS NOT SPECIFIED HEREIN SHALL FOLLOW THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE'S PRESCRIPTIVE REQUIREMENTS. SUCH ITEMS MAY INCLUDE DETAILING OF FRAMING CONNECTIONS, SIZES OF MEMBERS, MATERIAL SPECIFICATIONS, AND OTHER REQUIREMENTS RELATED TO THE STRUCTURE. WHERE MANUFACTURED PRODUCTS ARE USED, THE DETAILING AS ESTABLISHED BY THE MANUFACTURER SHALL BE USED. THESE SPECIFICATIONS ARE BASED UPON CALCULATIONS FOR THE PROJECT. THE CALCULATIONS UTILIZE THE DOCUMENTS LISTED, AND ALL OF THE REFERENCED STANDARDS.

#### CAST-IN-PLACE CONCRETE NOTES

CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C818, AND C-260. CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C-94.

CONCRETE SHALL CONFORM TO THE FOLLOWING: LOCATION MIN f'c 3,500 PSI FOUNDATION SLAB ON GARAGE 2,000 PSI

REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS SHALL BE LAPPED WITH A TYPE 2 SPLICE UNLESS OTHERWISE NOTED.

BAR SUPPORTS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (+-1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

## FOUNDATION NOTES

ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL, OR COMPACTED FILL CAPABLE OF SUPPORTING A DESIGN BEARING PRESSURE OF 3500 PSF. CONTRACTOR SHALL CONFIRM BEARING CAPACITY WITH INDEPENDENT TESTING.

REMOVE ANY SOFT OR FROZEN SOIL MATERIAL ENCOUNTERED UNDER FOOTINGS

UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING COVER FOR FOUNDATION REINFORCEMENT: BOTTOM BARS & BARS IN CONCRETE CAST AGAINST EARTH: 3" BARS THAT ARE EXPOSED TO WEATHER: #5 OR SMALLER1 1/2" #6 OR BIGGER 2"

ALL BARS SHALL BE LAPPED 40 X THE BAR DIAMETER AT SPLICES.

PRIOR TO COMMENCING FOUNDATION WORK, COORDINATE WORK WITH UTILITIES.

A LAYER OF WELL-GRADED FREE-DRAINING GRANULAR MATERIAL/SAND (AT LEAST 6" THICK AND COMPACTED TO 98% OF SPMDD) SHOULD BE PLACED UNDER THE FOUNDATION TO PROVIDE A UNIFORM BEARING SURFACE.

### TEMPORARY SHORING AND BRACING NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE STRENGTH, SAFETY, AND STABILITY OF THE NEW AND EXISTING STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE TEMPORARY SHORING, BRACING AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE. IT IS CONTACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WORK REQUIRED IN THE CONSTRUCTION DOCUMENTS AND THE REQUIREMENTS FOR EXECUTING IT PROPERLY. THE CONTRACTOR SHALL AT THIS DISCRETION EMPLOY AN SSE, A REGISTERED PROFESSIONAL ENGINEER FOR THE DESIGN OF ANY TEMPORARY BRACING AND SHORING

### SLAB ON GRADE NOTES

PROVIDE CONCRETE SLABS OVER POLYETHYLENE VAPOR BARRIER AND 4" OF POROUS FILL AS FOLLOWS: 4" SLAB REINFORCED WITH 6x6-W2.1xW2.1 WELDED WIRE FABRIC AND WITH 4,000 PSI MIX CONCRETE.

MAXIMUM SLUMP FOR CONCRETE SLABS WILL BE 5" WITH TYPE II CEMENT. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A-185. LAP ADJOINING PIECES AT LEAST ONE FULL MESH. WELDED WIRE FABRIC SHALL BE ORDERED IN SHEETS, NOT ROLLS. WELDED WIRE FABRIC SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCKS HAVING THE SAME COMPRESSIVE STRENGTH OF THE SLAB.

THE ALTERNATE WIRES OF THE WELDED WIRE FABRIC MUST BE PRECUT AT THE SLAB CONTRACTION JOINT LOCATIONS TO CREATE A "WEAKENED PLANE".

THE USE OF POLYPROPYLENE FIBERS (IN LIEU OF WELDED WIRE FABRIC) IS

ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR FILL MATERIAL WITH 100% PASSING THE 1 ½" SIEVE AND NO MORE THAN 5% PASSING THE NO. 4 SIEVE. POROUS FILL SHALL BE COMPACTED TO 98% MAX DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR METHOD.

SLAB JOINTS SHALL BE FILLED WITH A SEALANT PER THE MANUFACTURER RECOMMENDATIONS.

SLABS EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% ( ±1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

THE SLAB SHALL BE WET CURED BY KEEPING THE SLAB MOIST FOR A PERIOD OF SEVEN DAYS. ALTERNATIVELY, PROVIDE A WET-CURING SEALANT PER THE MANUFACTURERS RECOMMENDATIONS.

WRAP VAPOR BARRIER AROUND FOOTING ACCORDING TO BUILDING SCIENCE BEST PRACTICE.

## NOTE:

\* ALL DIMENSIONS TO BE VERIFIED IN FIELD.

\* ALL EXIST DIMENSIONS SUBMITTED BY THE CLIENT.

\* FASTENING REQUIREMENTS FOR WOOD TOGETHER TO BE ACCORDING THE MANUFACTURE RECOMMENDATIONS.

NDS.
60 PSF
30 PSF
20 PSF
50 PSF
30 PSF

# STRAIGHT BAR DEVELOPMENT

## LENGTHS LENGTHS (INCHES)

	3,000 PSI CONCRETE			4,000 PSI CONCRETE			5,000 F	SI CON	CRETE	6,000 PSI CONCRETE			
BAR SIZE	TENSION		COMP	TENSION		COND	TENSION		COMP	TENSION		OOMB	
	TYP	TOP	COMP	TYP	TOP	COMP	TYP	TOP	COMP	TYP	TOP	COMP	
#3	16	21	9	14	18	8	13	17	8	12	16	8	
#4	22	29	11	19	25	9	17	22	9	15	20	9	
#5	28	36	14	24	31	12	21	29	12	19	25	12	
#6	33	43	17	29	37	14	26	33	14	24	30	14	
#7	48	63	19	42	54	17	38	49	16	34	45	16	
#8	55	71	22	48	62	19	43	56	18	39	51	18	
#9	62	80	25	54	70	21	48	63	20	44	57	20	
#10	69	89	28	61	79	24	54	71	23	50	64	23	

- DEVELOPMENT AND LAP SPLICE LENGTHS SHOWN ARE FOR UNCOATED ASTM A615 GRADE 60 Fy = 60,000 PSI) DEFORMED BAR REINFORCING.
- DEVELOPMENT LENGTHS ARE BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE LENGTHS SHOWN BY 1.3.
- MINIMUM BAR CLEAR COVER SHALL BE 1 BAR DIAMETER, MINIMUM BAR CLEAR SPACING IS 1 BAR DIAMETER IN BEAMS AND COLUMNS AND 2 BAR DIAMETERS IN OTHER CONCRETE ELEMENTS. MULTIPLY THE DEVELOPMENT LENGTH SHOWN BY 1.5 FOR REINFORCING WITH COVER AND SPACING LESS THAN DESCRIBED ABOVE.
- USE THE LAP SPLICE LENGTHS IN THE "TOP" COLUMN FOR HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW THE BAR.

STRUCTURAL STEEL NOTES

ALL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION, WELDING SHALL CONFORM TO THE LATEST AWS AND AISC SPECIFICATIONS.

WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE BEST PRACTICE AND WITHIN THE TOLERANCES SPECIFIED IN THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL.

IT IS SPECIFICALLY NOTED THAT BURNED HOLES ARE NOT ACCEPTABLE UNLESS SPECIAL PERMISSION IS GIVEN BY ENGINEER.

ALL SHOP FABRICATED WORK SHALL BE DONE IN A SHOP APPROVED BY THE GOVERNING AGENCY. FABRICATOR SHALL SUBMIT PROGRAM OF WELDING INSPECTION TO ENGINEER FOR

ALL STRUCTURAL STEEL SHALL BE AS FOLLOWS UNO:

ALL WF, WT SHAPES	A992 GRADE 50						
CONNECTION PL & MISC STEEL (UNO)	ASTM A36						
GUSSET & COLLECTOR PLATES	ASTM A572 GRADE 50						
PIPE COLUMNS (TYPE S, SEAMLESS)	ASTM A53 GRADE B						
STRUCTURAL TUBING	ASTM A500 GRADE B						
ANGLE, CHANNELS	ASTM A36						
THREADED ROD	ASTM A36						
HEADED SHEAR STUDS	ASTM A108 ,						
	GRADES 1015 TO 1020,						
	TYPE 316, 50 ksi						
ELECTRODES	a) E70XX FOR A36 STEEL						
	AND SMAW PROCESS OR						
	EQUIVALENT.						

ALL HIGH STRENGTH BOLTS SHALL BE ASTM A325-N TYPE UNLESS OTHERWISE NOTED. ALL BOLTS USED FOR ERECTION SHALL BE ASTM A325 TYPE WITH THREADS EXCLUDED FROM SHEAR PLANES. ALL PLAIN ANCHORS SHALL BE A36; ALL ANCHOR BOLTS SHALL COMPLY WITH ASTM F1554. 3" MINIMUM CONCRETE COVER

b) FOR OTHER STEEL

WELD METAL AND

GRADES USE MATCHING

WELDING MATERIALS: PROVIDE TYPE REQUIRED FOR MATERIALS BEING WELDED, PER AWS D1.1.

PROVIDE CONTINUOUS INSPECTION FOR ALL FABRICATION AND WELDING OF STRUCTURAL STEEL AS REQUIRED PER CODE REQUIREMENTS. ALL COMPLETE PENETRATION GROOVE WELDS IN JOINTS AND SPLICES SHALL BE TESTED 100 PERCENT IN ACCORDANCE WITH IBC. USE ONE OF THE APPROVED METHODS OF TIGHTENING HIGH STRENGTH BOLTS.

WILL BE PLACED AROUND ALL ANCHOR BOLTS EXPOSED TO THE WEATHER, U.N.O.

A WELDING SEQUENCE SHALL BE PLANNED TO MINIMIZE RESIDUAL STRESSES AND DISTORTIONS OF INDIVIDUAL MEMBERS AND THE BUILDING FRAME. ALL DETAILING, FABRICATION, AND ERECTION SHALL COMPLY WITH AISC, LATEST EDITION.

UNLESS OTHERWISE NOTED, ALL STIFFENER PLATES ARE 3/8" THICK MINIMUM AND ALL BUTT WELDS ARE FULL PENETRATION WELDS. ERECTION CLIPS, TEMPORARY BRACING, ETC., REQUIRED BY THE CONTRACTOR ARE NOT SHOWN.

SUBMIT SHOP DRAWINGS FOR THE FABRICATION AND ERECTION OF ALL ASSEMBLIES OF STRUCTURAL STEEL WORK. INCLUDE PLANS AND ELEVATIONS AT NOT LESS THAN 1/4" TO 1'-0" SCALE, AND INCLUDE DETAILS OF SECTIONS AT NOT LESS THAN 1" TO 1'-0" SCALE.

NO FINISH FABRICATION SHALL BE COMMENCED OR MATERIAL DELIVERED TO THE JOB UNTIL THE ENGINEER HAS REVIEWED AND APPROVED THE SHOP DRAWINGS.

ALL STRUCTURAL STEEL SHALL BE PAINTED WITH ONE SHOP COAT OF ZINC CHROMATE PRIMER OR EQUAL. AFTER ERECTION, FIELD CONNECTIONS SHALL BE TOUCHED UP. DO NOT PAINT PORTION OF STEEL TO BE EMBEDDED IN CONCRETE, HEADED ANCHOR STUDS, FAYING SURFACES OR AREAS TO RECEIVE FIRE PROOFING. EXTERIOR. EXPOSED STEEL MEMBERS ARE SPECIFIED TO BE HOT-DIPPED GALVANIZED OR STAINLESS AS NOTED.

WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE. USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION LATEST EDITION. THIS INCLUDES OPEN WEB JOIST CONNECTIONS.

THE USE OF E70T-4 WELDING WIRE IS NOT ALLOWED FOR ANY APPLICATION.

# LAP SPLICE LENGTHS FOR CONCRETE

# CLASS B SPLICE LENGTHS (INCHES)

	3,000 PSI CONCRETE			4,000 PSI CONCRETE			5,000 PSI CONCRETE			6,000 PSI CONCRETE		
BAR SIZE	TENSION		COMP	TENSION		COMP	TENSION		COMP	TENSION		COMP
	TYP	TOP	COMP	TYP	TOP	COMP	TYP TOP		COMP	TYP	TOP	COMP
#3	21	27	12	18	24	12	17	22	12	17	20	12
#4	29	38	15	25	32	<b>1</b> 5	22	29	15	20	26	15
#5	37	47	19	31	40	19	28	36	19	25	33	19
#6	43	56	23	38	48	23	34	43	23	31	39	23
#7	62	82	27	54	70	27	49	63	27	45	58	27
#8	72	92	30	62	80	30	56	72	30	51	66	30
#9	81	104	34	70	91	34	63	81	34	57	74	34
#10	90	116	39	79	102	39	71	92	39	64	84	39

- DEVELOPMENT AND LAP SPLICE LENGTHS SHOWN ARE FOR UNCOATED ASTM A615 GRADE 60
- (Fy = 60,000 PSI) DEFORMED BAR REINFORCING.
- DEVELOPMENT LENGTHS ARE BASED ON NORMAL WEIGHT CONCRETE. FOR LIGHT WEIGHT CONCRETE MULTIPLY THE LENGTHS SHOWN BY 1.3.
- MINIMUM BAR CLEAR COVER SHALL BE 1 BAR DIAMETER. MINIMUM BAR CLEAR SPACING IS 1 BAR DIAMETER IN BEAMS AND COLUMNS AND 2 BAR DIAMETERS IN OTHER CONCRETE ELEMENTS. MULTIPLY THE DEVELOPMENT LENGTH SHOWN BY 1.5 FOR REINFORCING WITH
- COVER AND SPACING LESS THAN DESCRIBED ABOVE. USE THE LAP SPLICE LENGTHS IN THE "TOP" COLUMN FOR HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE BELOW THE BAR.

COLD-FORMED STEEL NOTES

1. COLD FORMED METAL FRAMINGS SHALL BE IN COMPLIANCE WITH AISI NORTH AMERICAN

SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL

MEMBERS CONFORM TO ASTM C 955 FOR STRUCTURAL FRAMING MEMBERS AND ASTM C 645 FOR

NON-STRUCTURAL. 2. ALL STUDS AND/OR JOISTS, SHALL BE OF TYPE, SIZE, STEEL THICKNESS

AND SPACING SHOWN ON

THE DRAWINGS AND SHALL BE MANUFACTURED PER ASTM C 955, AND CONFORM TO ASTM A653.

3. STRUCTURAL FRAMING MEMBERS AND ACCESSORIES: FLOOR JOISTS, AND THE JOIST HANGERS.

TRACKS, BRACINGS, BRIDGING SHALL BE MADE OF COLD-FORMED STEEL WITH YIELD OF FY= 50 Ksi.

4. DRYWALL, NON STRUCTURAL MEMBERS AND ACCESSORIES SHALL BE MADE OF COLD-FORMED

STEEL WITH YIELD OF FY= 33 Ksi.

5. ALL STUDS, JOISTS AND ACCESSORIES SHALL BE GALVANIZED G-60

CONFORM TO ASTM C 955 6. THE JOIST HANGERS SHALL BE OF APPROPRIATE SIZE AND CAPACITY TO

TRANSFER THE JOISTS LOADS TO THE STEEL BEAMS. THEY SHALL BE

CONNECTED TO THE STEEL

BEAMS WITH APPROPRIATE SCREWS, OR POWDER-ACTUACTED

FASTERNERS OR WELDED.

7. WEB STIFFENERS SHALL BE PROVIDED WHERE NECESSARY AT REACTION POINTS, AND AT POINTS

OF CONCENTRATED LOADS.

8. JOISTS SHALL BE INSTALLED WITH THEIR WEB AREA PERPENDICULAR TO THE BEARING SURFACE.

9. BRIDGING AND BLOCKING OF TYPE AND SIZE SHALL BE PROVIDEDE AT LOCATIONS SHOWN ON

THE DRAWINGS. END BLOCKING SHALL BE PROVIDED AS SHOWN ON THE

DRAWINGS AND WHERE

JOIST ENDS ARE NOT OTHERWISE RESTRAINED FROM ROTATION. 10. JOIST ENDS SHALL BE BUILT SOLIDLY INTO MASONRY CONSTRUCTION PRIOR TO PLACING ANY

LOAD ON THE JOIST.

11. ALL BRIDGING, BRACING, BLOCKING, STRAPPING, WEB REINFORCEMENT, ETC., MUST BE IN PLACE

PRIOR TO LOADING OF FLOORS. 12. TEMPORARY BRACING SHALL BE PROVIDED AND LEFT IN PLACE UNTIL

WORK IS PERMANENTLYSTABILIZED. 13. ADDITIONAL JOISTS SHALL BE PROVIDED UNDER PARALLEL PARTITIONS

WHERE THE PARTITION LENGTH EXCEEDS 1/2-IN OF THE JOIST SPAN.

14. CONNECTION SHALL BE ACCOMPLISHED WITH SELF-DRILLING SCREWS OR WELDING SO THAT THE

CONNECTIONS MEET OR EXCEED DESIGN LOADS.

15. WELDS SHALL CONFORM TO THE REQUIREMENTS OF AWS E1.3 AWS D1.3, AND AISI MANUAL

WELDS MAY BE BUTT, FILLET, SPOT OR GROOVE TYPE SHOWN ON

DRAWINGS. ALL WELDS SHALL

BE TOUCHED UP USING ZINC RICH PAINT. 16. STEEL DRILL SCREWS SHALL BE OF THE MINIMUM DIAMETER SHOWN ON

THAT PARTICULAR

ATTACHMENT DETAIL. PENETRATION THROUGH JOINED MATERIALS SHALL NOT BE LESS THAN

WITH THE FRAMING

THREE (3) EXPOSED THREADS.

17. SCREWS SHALL HAVE A PROTECTIVE COATING AT LEAST EQUIVALENT TO ZINC PLATING WHEN

USED IN EXTERIOR ASSEMBLIES. 18. ALL WORK ON COLD FORMED STEEL FRAMING SHALL BE IN COMPLIANCE

PRODUCTS MANUFACTURER'S WRITTEN INSTRUCTIONS AND DETAILS.

ISSUED FOR REVIEW REV DATE BY CHK APP REVISION DESCRIPTION

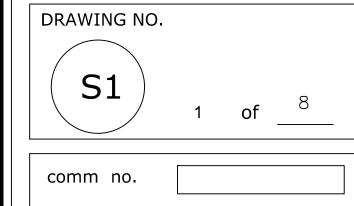
PROJECT ADDRESS

224 EAST JERICHO TURNPIKE HUNTINGTON STA., N.Y. 11746

DRAWING TITLE

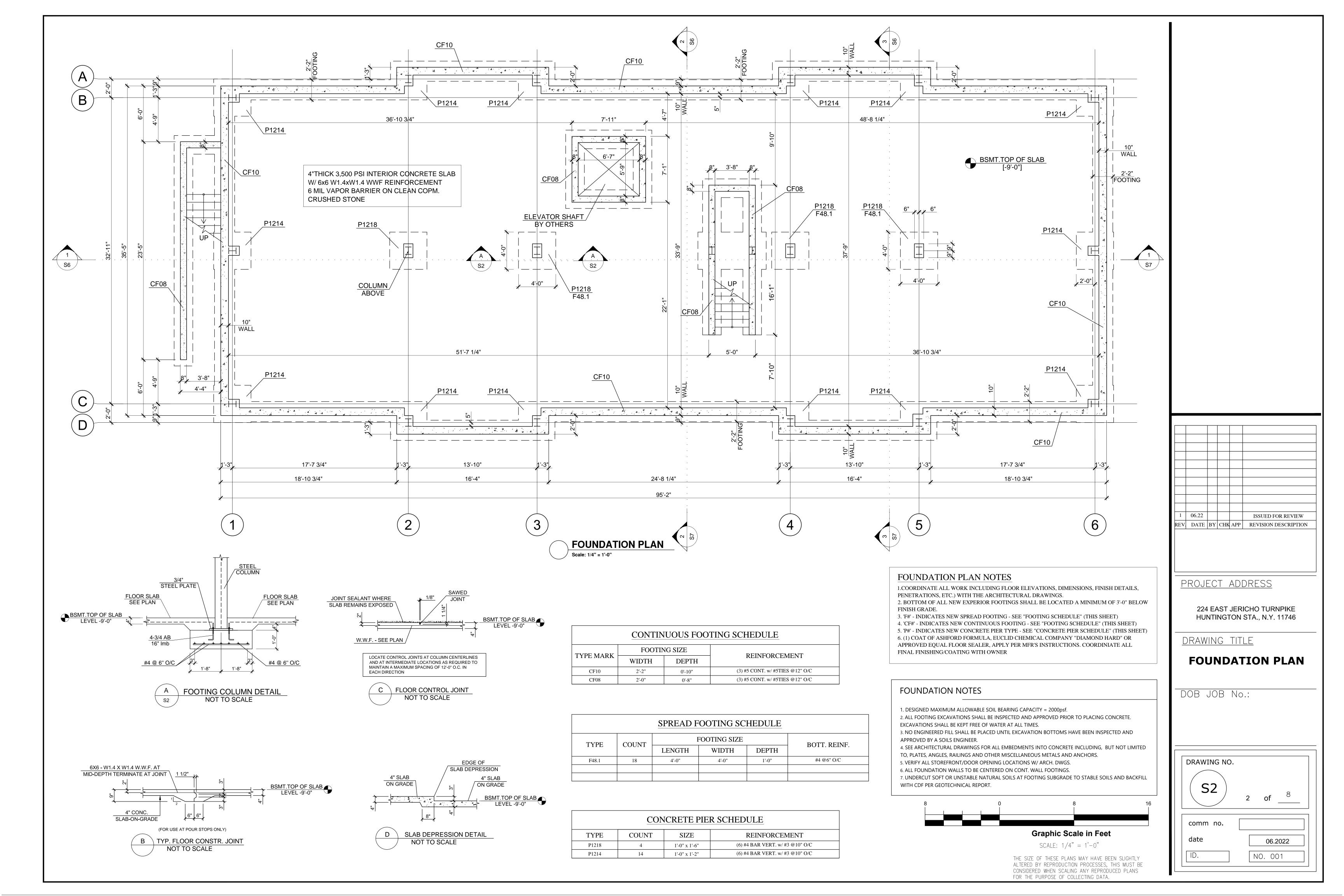
**GENERAL NOTES** 

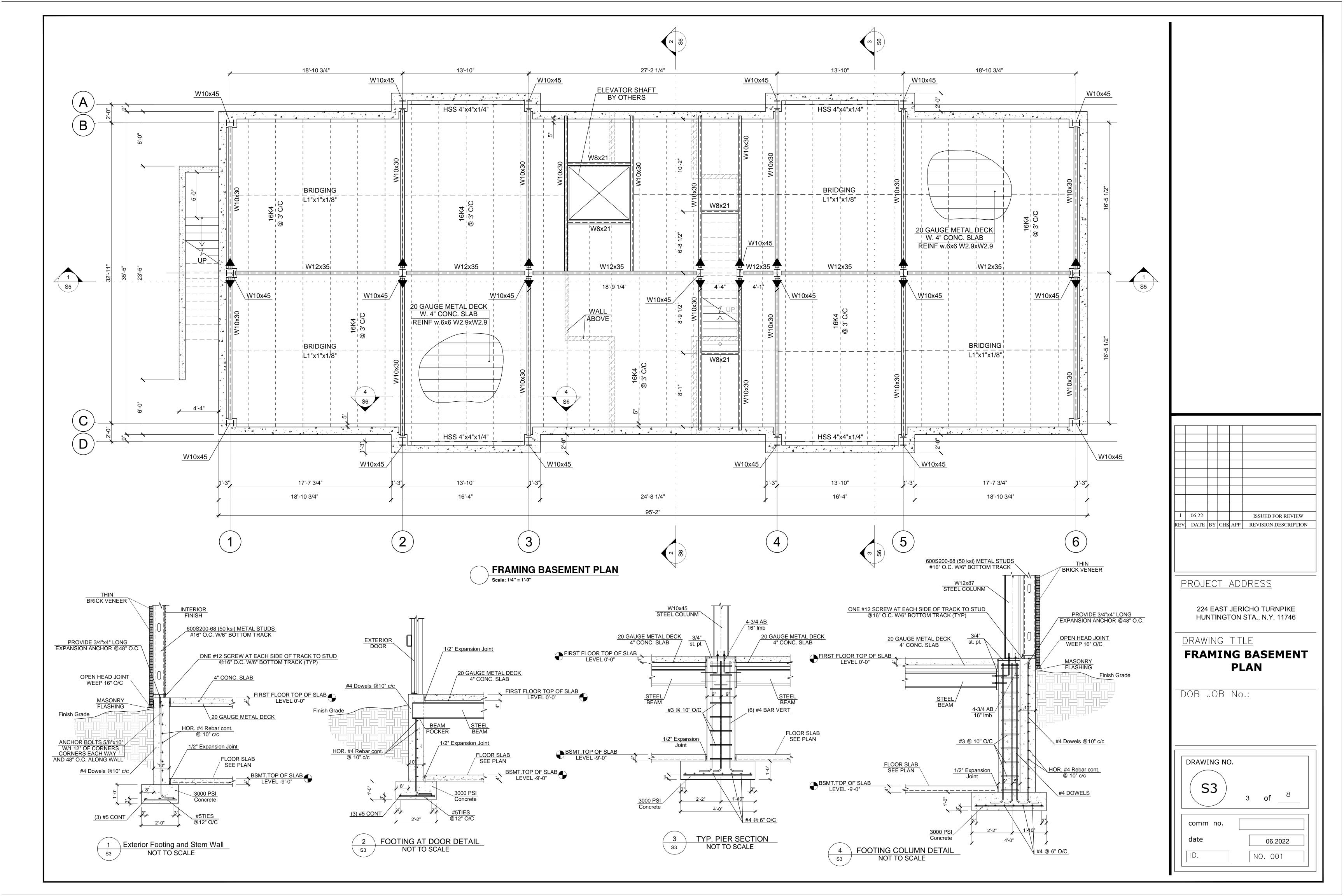
DOB JOB No.:

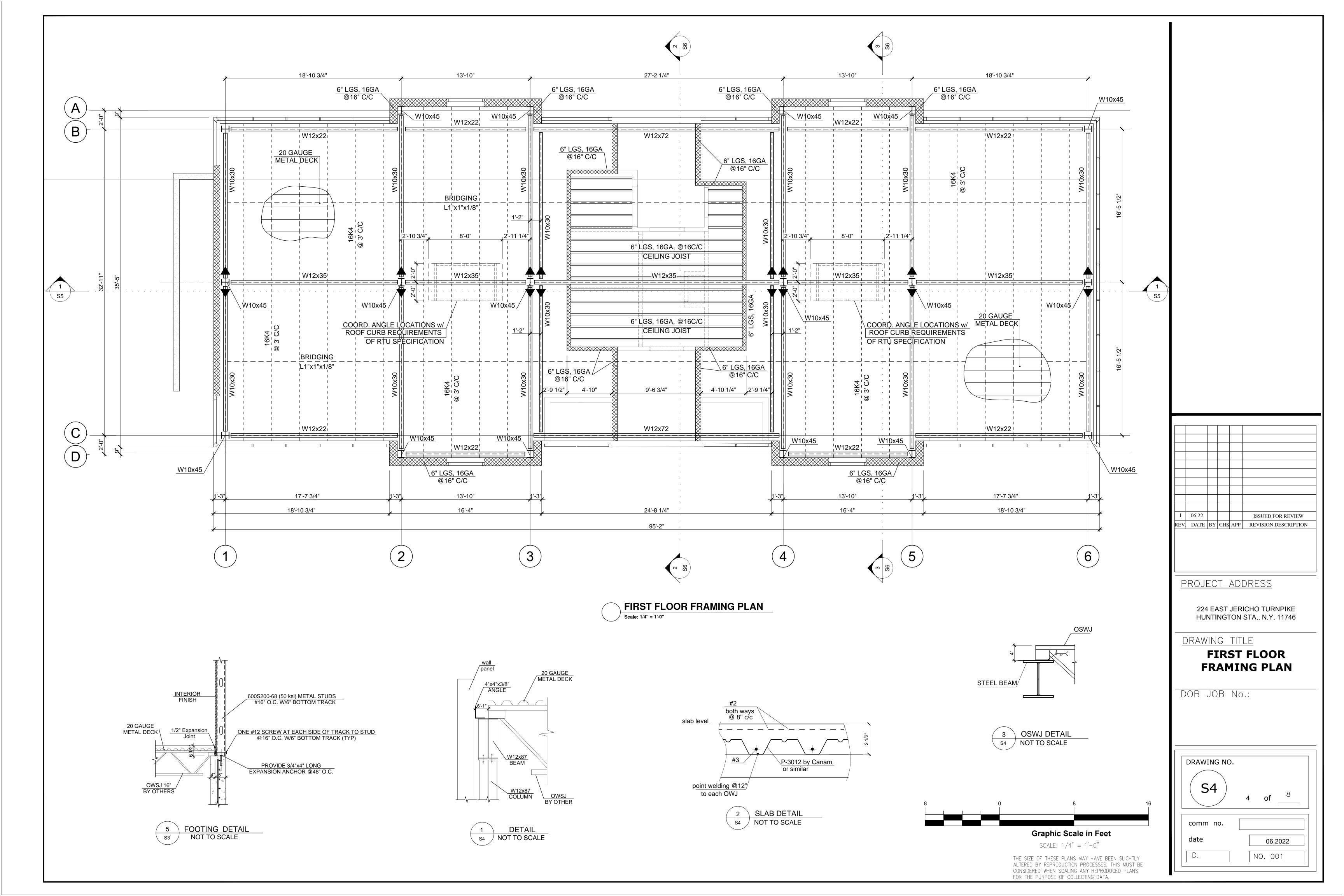


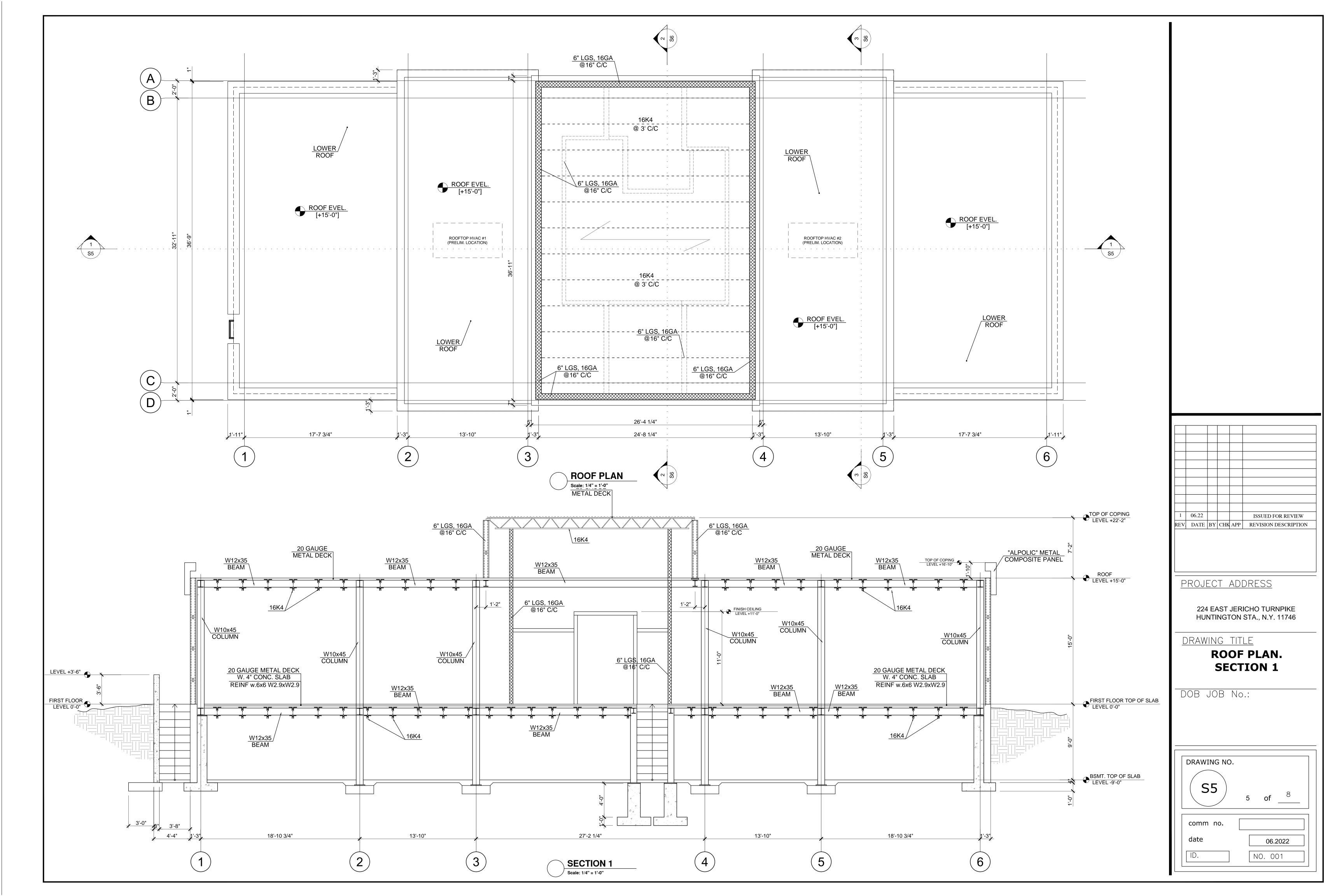
date

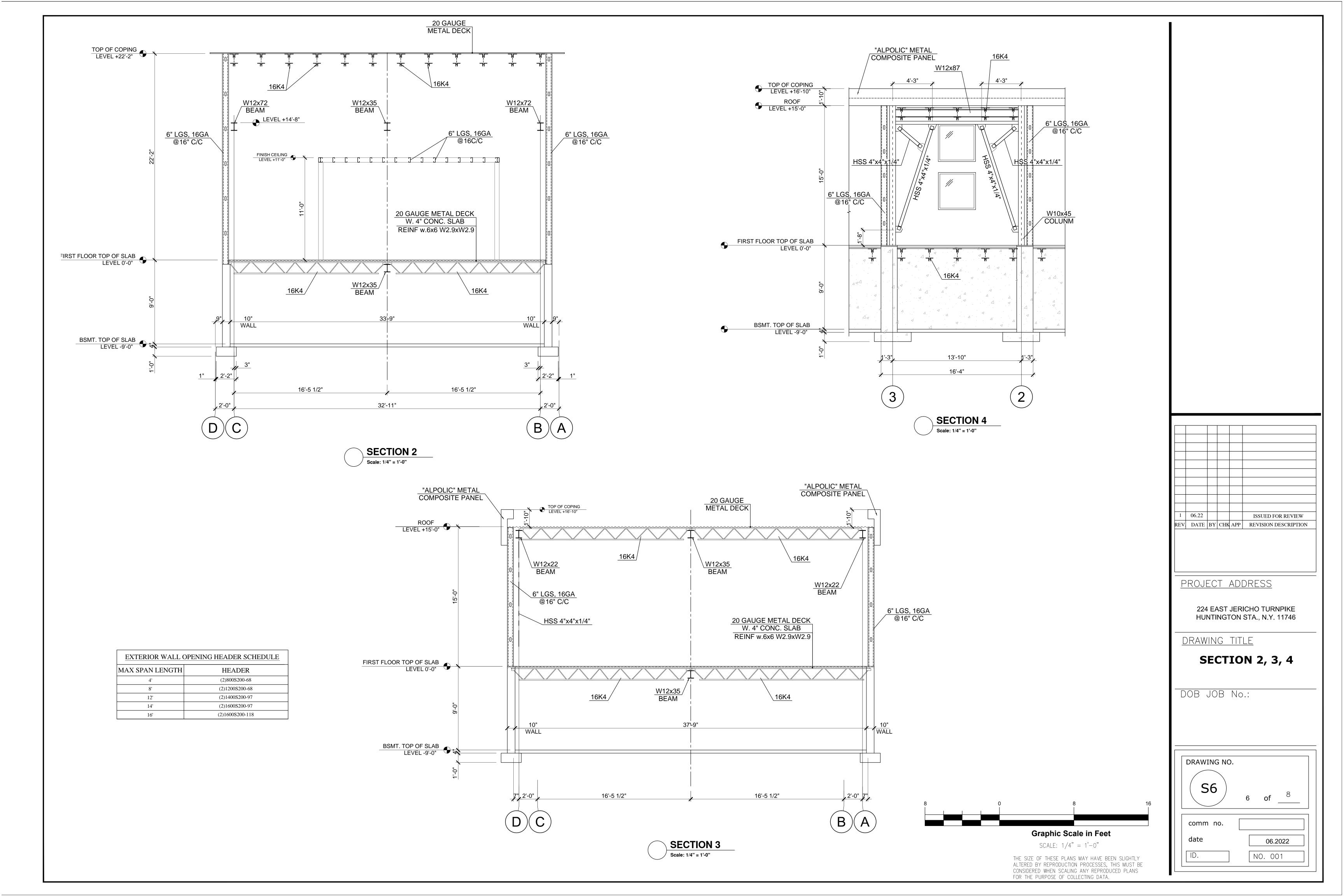
06.2022 NO. 001

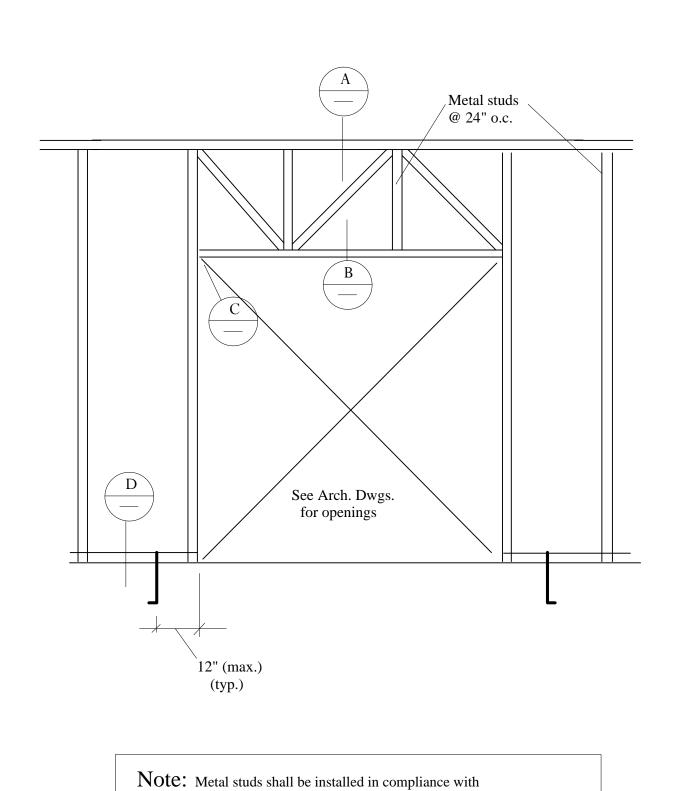






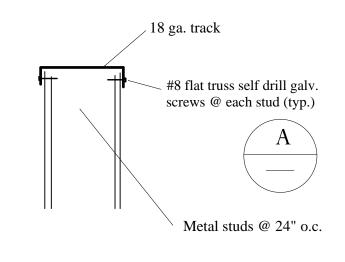


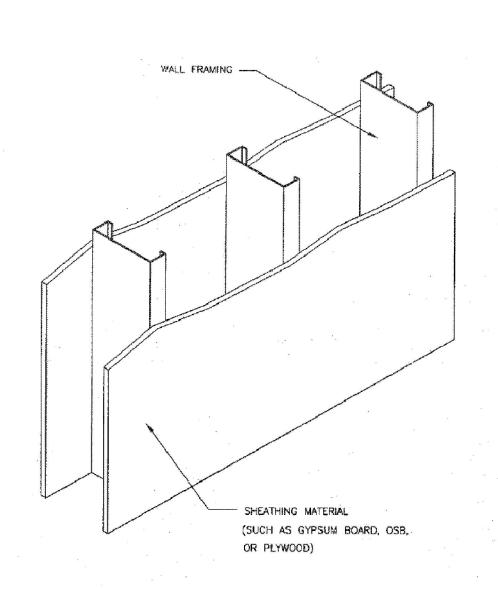




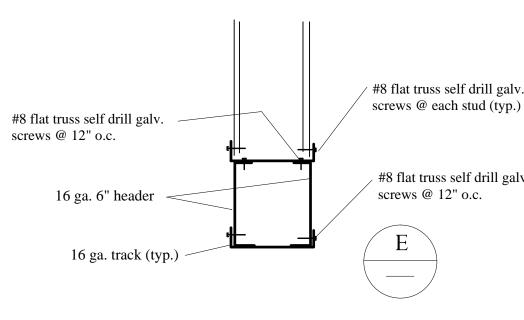
Steel Stud Manufacturer's Association (SSMA) recommendations. Provide bridging, blocking and bracing per SSMA recommendations.

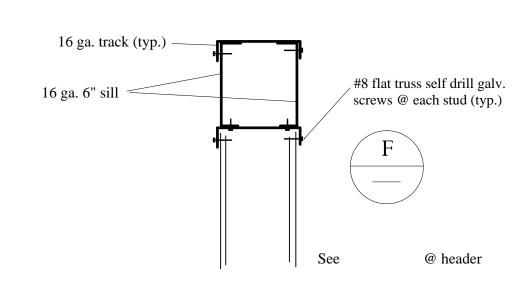


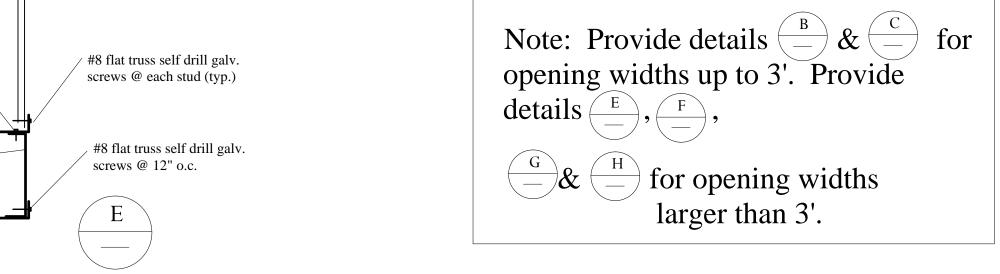


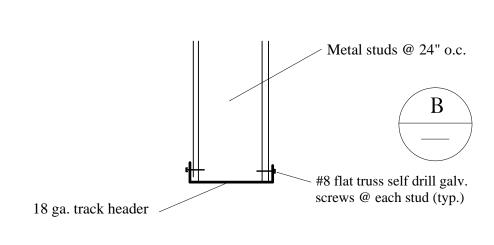


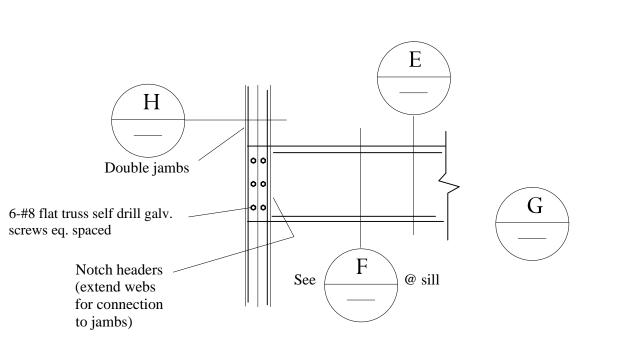
Stud bracing w/sheathing detail
NOT TO SCALE









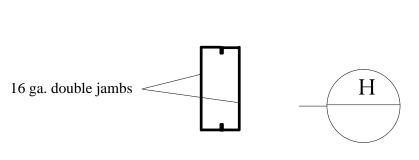


- #12 SCREW ON EACH SIDE

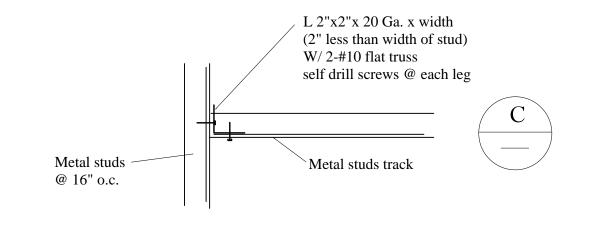
─ 0,177" P,A,F, @ 16" O,C,

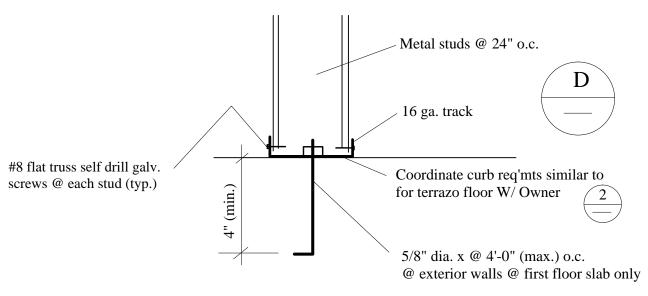
SECTION

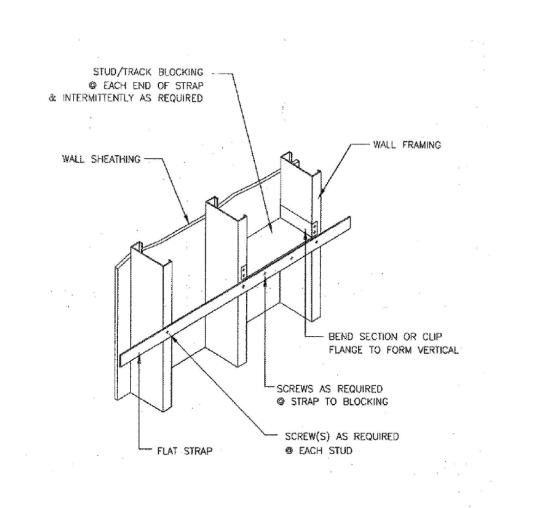
NOT TO SCALE

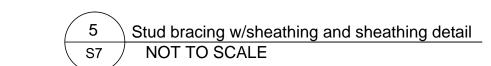


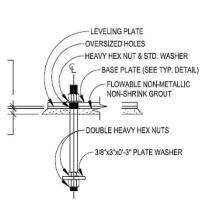
X Bracing Detail
NOT TO SCALE



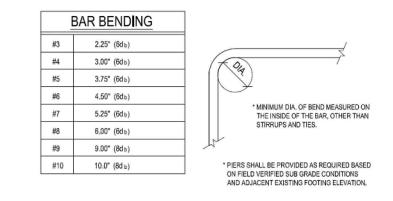


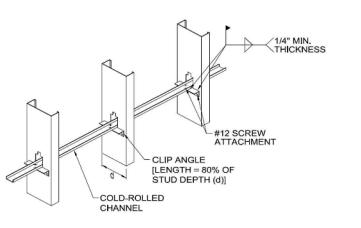




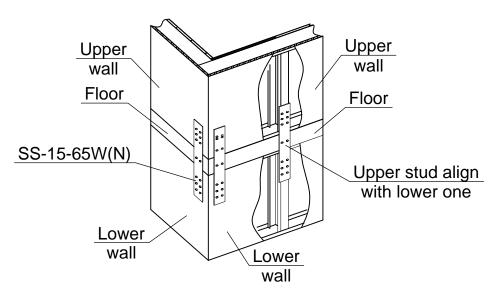


TYP. ANCHOR BOLT DETAIL
SCALE: 1 1/2" = 1'-0"

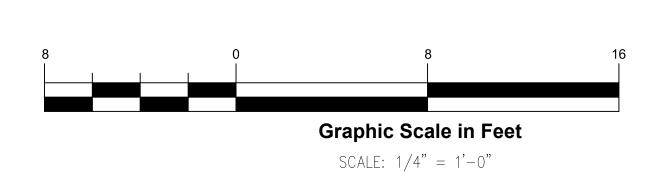




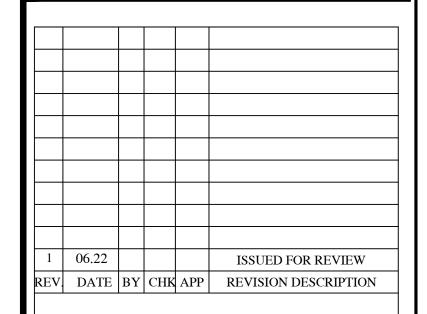




6 Upper wall to lower wall
S7 NOT TO SCALE



THE SIZE OF THESE PLANS MAY HAVE BEEN SLIGHTLY ALTERED BY REPRODUCTION PROCESSES, THIS MUST BE CONSIDERED WHEN SCALING ANY REPRODUCED PLANS FOR THE PURPOSE OF COLLECTING DATA.



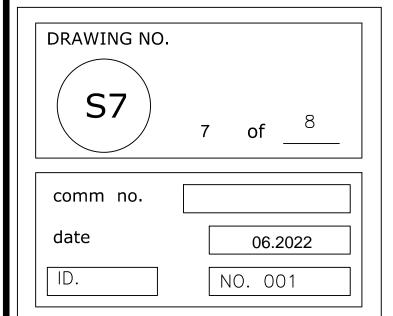
PROJECT ADDRESS

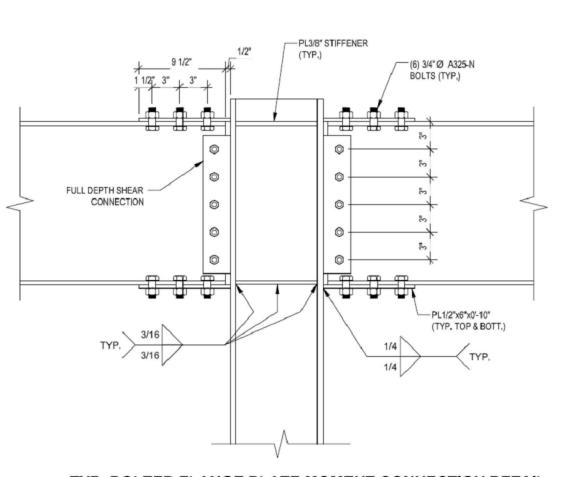
224 EAST JERICHO TURNPIKE HUNTINGTON STA., N.Y. 11746

DRAWING TITLE

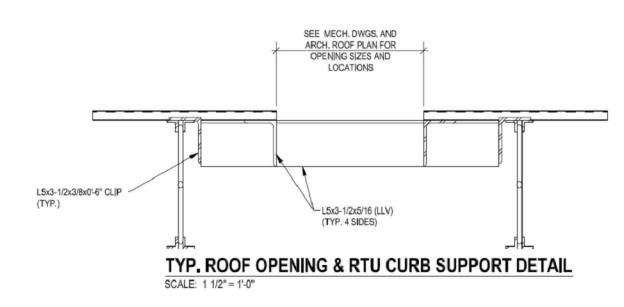
**DETAILS** 

DOB JOB No.:





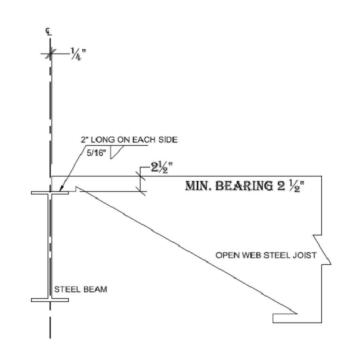
TYP. BOLTED FLANGE PLATE MOMENT CONNECTION DETAIL



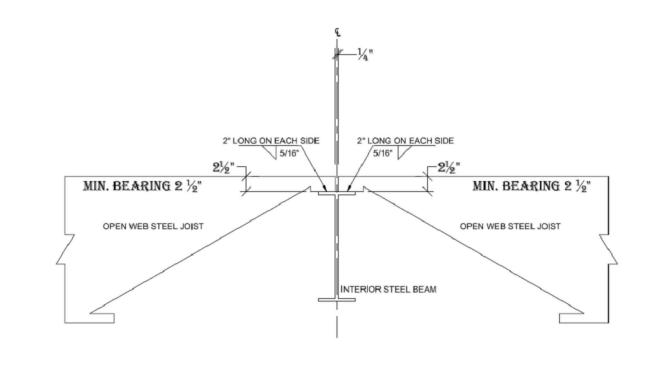
OPEN WEB STEEL JOIST

5/16" WELD BOTH SIDES
2" LONG WELD EACH SIDE

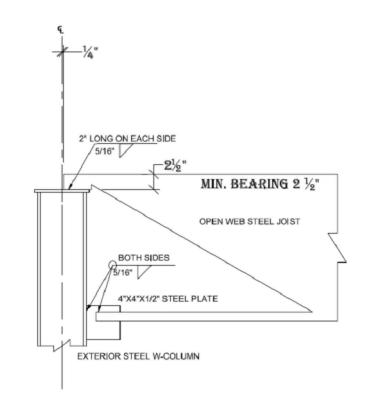
TYP. ROOF OPEN WEB STEEL JOIST TO STEEL BEAM CONNECTION DETAIL
SCALE; NTS



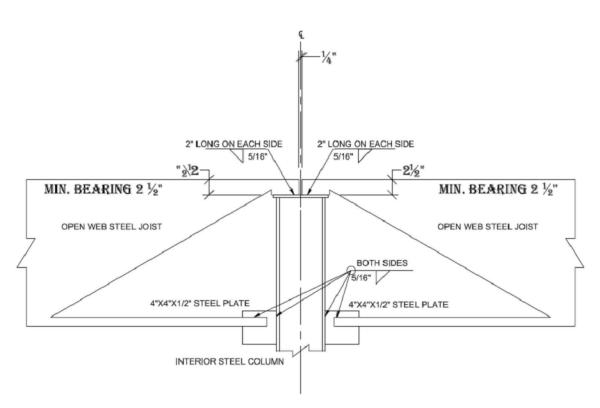
SPANREL BEAM / STEEL OPEN WEB JOIST



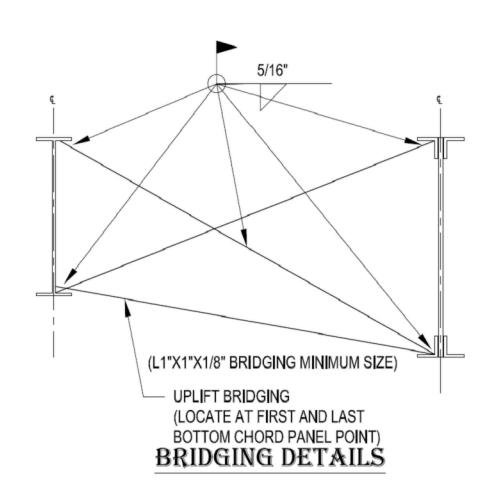
INTERIOR STEEL BEAM / STEEL OPEN WEB JOISTS

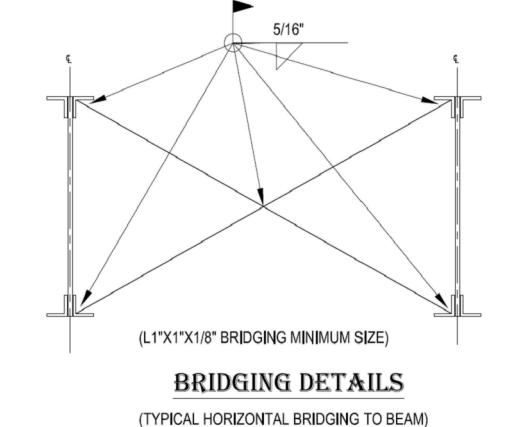


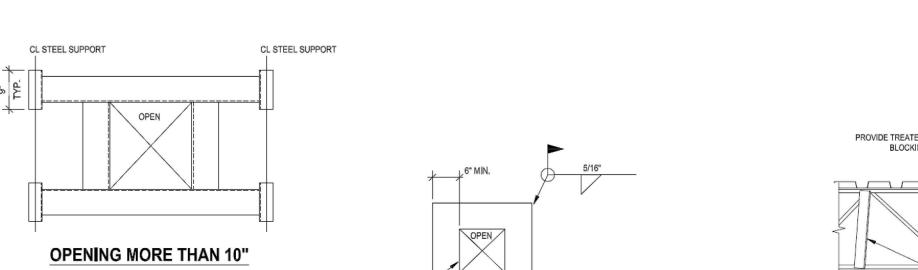
STEEL OPEN WEB JOIST ON TOP OF EXTERIOR COLUMN



STEEL OPEN WEB JOIST ON TOP OF INTERIOR COLUMN





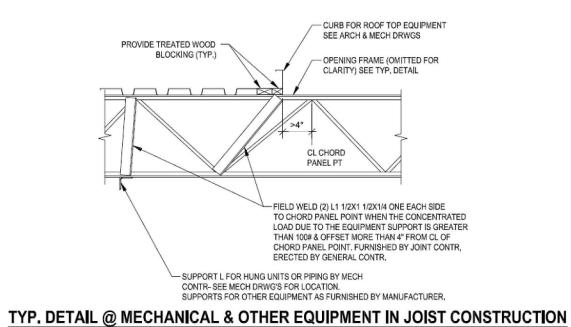


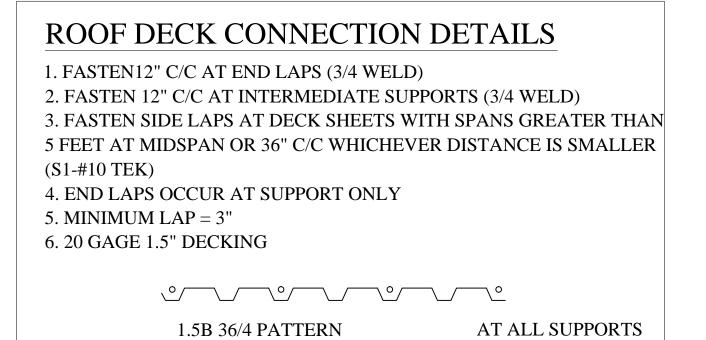
- (PROVIDE UNDER ALL ROOF CURBS, @ ROOF DRAINS & @ VAPOR MITIGATION PIPES)

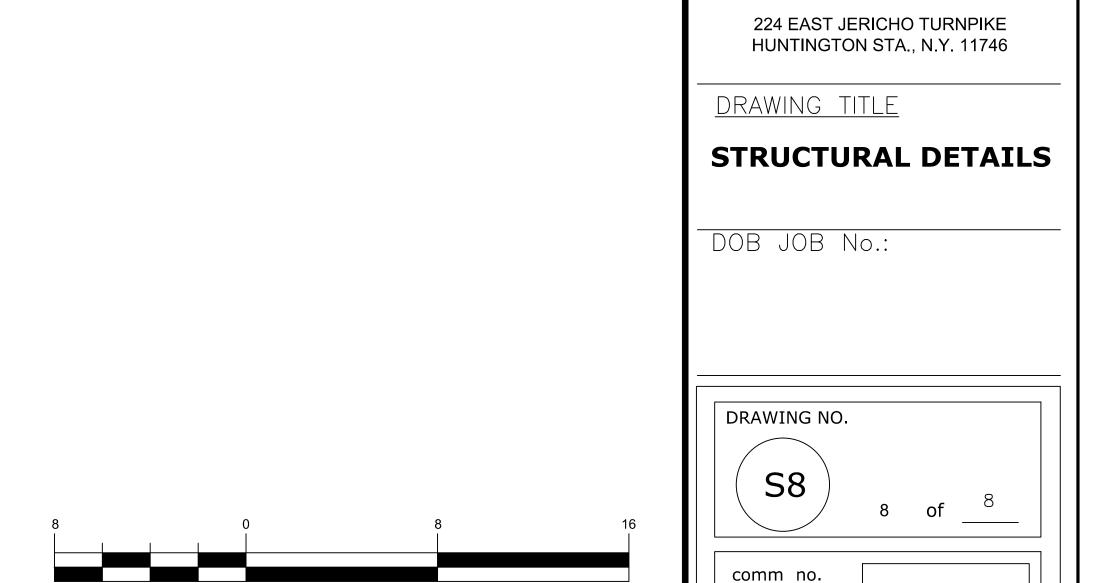
  NOTE:
  1. FOR SIZE & LOCATION OF OPENINGS, SEE ARCHITECTURAL & MECHANICAL DRWGS.
  2. STEEL CONTRACTOR SHALL VERIFY ALL OPENINGS & EXACT LOCATIONS W/ THE TRADE CONTRACTOR REQUIRING OPENINGS PRIOR TO FABRICATION & ERECTION OF STEEL FRAMES.
  3. PROVIDE STEEL FRAMING AS SHOWN AROUND ALL OPENINGS LARGER THAN 10" @ THE ROOF.
- PROVIDE STEEL FRAMING AS SHOWN AROUND ALL OPENINGS LARGER THAN 10" @
  THE ROOF.
   WHEN JOIST SPACING EXCEEDS 6"-0", VERIFY ALL ANGLE SIZES W/ ENGINEER.
   WHERE ROOF STEEL SLOPES, CURB HEIGHTS MUST VARY TO PROVIDE A LEVEL SURFACE.
   PROVIDE DIAGONAL BRIDGING FOR ONE BAY ON BOTH SIDES OF OPENING WHEN BRIDGING IS INTERRUPTED.
   PROVIDE STEEL ANGLES ON ALL SIDES OF OPENING UNLESS BEAM OR JOIST IS SHOWN ON PLAN.
- & INSTALLED BY DECK CONTRACTOR).
  FOR ALL ROOF OPENINGS 10" & UNDER,
  COORD W/ MECH TRADES.

  OPENING 10" OR UNDER

- #14 GA GALV REINF PLATE (FURNISHED







**Graphic Scale in Feet** 

SCALE: 1/4" = 1'-0"

FOR THE PURPOSE OF COLLECTING DATA.

THE SIZE OF THESE PLANS MAY HAVE BEEN SLIGHTLY ALTERED BY REPRODUCTION PROCESSES, THIS MUST BE CONSIDERED WHEN SCALING ANY REPRODUCED PLANS

ISSUED FOR REVIEW

06.2022

NO. 001

REV DATE BY CHK APP REVISION DESCRIPTION

PROJECT ADDRESS

date

TYP. FRAMING @ ROOF OPENING