General Notes & Specifications

BRAEMAR AT MONTEBELLO ASSISTED LIVING FACILITY

ROCKLAND COUNTY, NEW YORK

LIST OF ABBREVIATIONS

&	AND	KSI	KIPS PER SQUARE INCH
@	AT	L	ANGLE
A.B.	ANCHOR BOLT	LBS.	POUNDS
A.F.F.	ABOVE FINISHED FLOOR	L.L.B.B.	LONG LEGS BACK-TO-BACK
ANCH.	ANCHOR	L.L.H.	LONG LEG HORIZONTAL
APPD.	APPROVED	L.L.V.	LONG LEG VERTICAL
APPROX.	APPROXIMATELY	LONG.	LONGITUDINAL
ARCH.	ARCHITECT	LT.	LIGHT
B.B.	BACK-TO-BACK	LVL	LAMINATED VENEER LUMBER
B.F.	BALLOON-FRAMED	MANUF.	MANUFACTURER
B.L.	BRICK LEDGE	MAX.	MAXIMUM
BLDG.	BUILDING	MC	MISCELLANEOUS CHANNEL
BLKG.	BLOCKING	MECH.	MECHANICAL
BM.	BEAM	MIN.	MINIMUM
B.O.C.	BOTTOM OF CONCRETE	#	NUMBER OF POUNDS OR REBAR SIZE DESIGNATION
B.O.F.	BOTTOM OF FOOTING	N.	NORTH
B.O.S.	BOTTOM OF SLAB	N.B.L.	NON-BEARING LINTEL
BOT.	BOTTOM	NS.	NEAR SIDE
B.O.W.	BOTTOM OF WALL	N-S	NORTH-SOUTH
BRG.	BEARING	NOM.	NOMINAL
BRDG.	BRIDGING	N.T.S.	NOT TO SCALE
B.S.	BOTH SIDES	O.C.	ON CENTER
BSMT.	BASEMENT	O.F.	OUTSIDE FACE
BTWN.	BETWEEN	O.H.	OPPOSITE HAND OR OVERHEAD
B.V.A.	BEARING WALL ABOVE	OPNG.	OPENING
B.V.P.	BRACED WALL PANEL / SHEAR WALL	OPP.	OPPOSITE
C	CHANNEL SECTION	O.S.B.	ORIENTED STRAND BOARD
C.G.	CENTER TO CENTER	P.A.	POST ABOVE
CANTD	CANTILEVERED	P.C.	PRE-CAST
CL	CENTER LINE	P.C.F.	POUNDS PER CUBIC FOOT
C.I.P.	CAST IN PLACE	P.C.W.P.	PRECAST WALL PANEL
C.J.	CEILING JOISTS OR CONTROL JOINT	P.E.	PROFESSIONAL ENGINEER
CLR.	CLEAR	PEN.	PENETRATION
CMU	CONCRETE MASONRY UNIT	PERM.	PERIMETER
CNTR.	CENTER	PERP.	PERPENDICULAR
COL.	COLUMN	PIPE	PIPE COLUMN
CONC.	CONCRETE	PL	PLATE
CONN.	CONNECTION	+/-	PLUS OR MINS
CONST.	CONSTRUCTION	PLF	POUNDS PER LINEAR FOOT
CONT.	CONTINUOUS	PRELIM.	PRELIMINARY
CWP.	CONCRETE WALL PANEL	PSF	POUNDS PER SQUARE FOOT
DBL.	DOUBLE	PSI	POUNDS PER SQUARE INCH
DEPR.	DEPRESS OR DEPRESSION	PSL	PARALLEL STRAND LUMBER
DET.	DETAIL	P.T.	PRESSURE TREATED OR PRESERVATIVE TREATED
DIA.	DIAMETER	PVL	PLYWOOD
DIAG.	DIAGONAL	QTY.	QUANTITY
DIM.	DIMENSION	R.	REHARNS
DO.	DITTO	RAD.	RADIUS
DRWG.	DRAWING	R.C.	REINFORCED CONCRETE
DWL.	DOWEL	RE	REFER TO
E.	EAST	RECT.	RECTANGULAR
EA.	EACH	REF.	REFERENCE
E.E.	EACH END	REINF.	REINFORCING
E.F.	EACH FACE	REQ.	REQUIRED
E.J.	EXPANSION JOINT	RND.	ROUND
EL.	ELEVATION	R.R.	ROOF RAFTERS
ELEV.	ELEVATOR	R.T.	ROOF TRUSSES
ENG.	ENGINEER	S	STANDARD BEAM
E.O.R.	ENGINEER OF RECORD	S.	SOUTH
EQ.	EQUAL	SCHED.	SCHEDULE
E.S.	EACH SIDE	SECT.	SECTION
EXIST.	EXISTING	SF	STEP FOOTING
EXP.	EXPANSION	S.G.E.T.	STRUCTURAL CABLE END TRUSS
EXT.	EXTERIOR	SHT.	SHEET
E.W.	EACH WAY	SIM.	SIMILAR
E.W.E.F.	EACH WAY, EACH FACE	S.L.B.B.	SHORT LEGS BACK-TO-BACK
E.W.B.	EACH WAY, BOTTOM	SP.	SPACE
E.W.T.	EACH WAY, TOP	SPEC.	SPECIFICATION
E-W	EAST-WEST	SPA.	SPACING
FAB.	FABRICATION	SQ.	SQUARE
F.F.E.	FINISH FLOOR ELEVATION	STD.	STANDARD
FIN.	FINISH	STAG.	STAGGER OR STAGGERED
F.J.	FLOOR JOISTS	STIFF.	STIFFNER
FLG.	FLANGE	STL.	STEEL
FLR.	FLOOR	STRP	STRIP
FND.	FOUNDATION	STRUCT.	STRUCTURAL
F.S.	FAR SIDE	SVA	SHEAR WALL
FT.	FOOT	SYM.	SYMMETRICAL
F.A.	FLOOR TRUSSES	T	TOP
FTG.	FOOTING	T & B	TOP AND BOTTOM
GA.	GAGE	TEMP.	TEMPORARY
GALV.	GALVANIZED	T & G	TONGUE AND GROOVE
G.L.	GLU-LAM	T.O.B.	TOP OF BEAM
GR.	GRADE	T.O.C.	TOP OF CONCRETE
G.B.	GRADE BEAM	T.O.F.	TOP OF FOOTING
G.C.	GENERAL CONTRACTOR	T.O.S.	TOP OF STEEL
G.T.	GIRDER TRUSS	T.O.W.	TOP OF WALL
G.W.B.	GYPSUM WALL BOARD	TR.	TRUSS
GYP.	GYPSUM	T.S.	STRUCTURAL TUBE
H.E.F.	HORIZONTAL EACH FACE	TRANS.	TRANSVERSE
HDR.	HEADER	TYP.	TYPICAL
H.I.F.	HORIZONTAL, INSIDE FACE	U.N.O.	UNLESS NOTED OTHERWISE
HNGR.	HANGER	VAR.	VARIES
H.O.F.	HORIZONTAL, OUTSIDE FACE	V.E.F.	VERTICAL, EACH FACE
HORIZ.	HORIZONTAL	VERT.	VERTICAL
HSS	HOLLOW STRUCTURAL SECTION	V.I.F.	VERTICAL, INSIDE FACE OR, VERIFY IN FIELD
HT.	HEIGHT	V.O.F.	VERTICAL, OUTSIDE FACE
HVAC	HEATING, VENTILATION, & AIR CONDITIONING	W.	WEST
I.F.	INSIDE FACE	W/	WITH
I.J.	ISOLATION JOINT	W/O, W.O.	WITHOUT
INT.	INTERIOR	WD.	WOOD
J.S.	JACK STUD	WF	WIDE FLANGE SECTION
JST.	JOIST	W.P.	WATERPROOF
JT.	JOINT	WT	WIDE FLANGE T SECTION
K	KIPS (1000 LBS.)	WT.	WEIGHT
K.L.F.	KIPS PER LINEAR FOOT	W.W.F.	WELDED WIRE FABRIC
K.S.	KING STUD	XS	EXTRA STRONG (PIPE COLUMN)
KSF	KIPS PER SQUARE FOOT	XXS	DOUBLE-EXTRA STRONG (PIPE COLUMN)

SSMA MEMBER NOMENCLATURE

MEMBER DEPTH SCHEDULE

MEMBER DEPTH (WEB SIZE)	SSMA DESIGNATION
2-½"	250
3-½"	362
6"	600
8"	800
10"	1000
12"	1200

MEMBER TYPE SCHEDULE

MEMBER TYPE	SSMA DESIGNATION	FLANGE WIDTH
STUDS	S137	1-⅜"
	S162	1-⅝"
	S200	2"
	S250	2-½"
	S300	3"
	S350	3-½"
TRACKS	T125	1-¼"
	T200	2"

MATERIAL THICKNESS/GAGE

MILLS	GAGE	DESIGN THK.	MIN THK.
33	20	0.0346"	0.0329"
43	18	0.0451"	0.0428"
54	16	0.0566"	0.0538"
68	14	0.0713"	0.0677"
97	12	0.1017"	0.0969"
118	10	0.1242"	0.1182"

GENERAL

1. GOVERNING CODE: 2018 NEW YORK STATE BUILDING CODE (REFERRED TO HEREAFTER AS IBC.)

2. DESIGN LOADS, PSF:
   A. 4 CODE MINIMUM DESIGN LOADS
      RISK CATEGORY: II

   ROOF:
   SEE PLAN FOR MECH. UNITS, DRIFTS AND SPECIAL CONDITIONS IN ADDITION TO MINIMUM DESIGN LOADS.

   SNOW:
   I. GROUND SNOW (P_g): 30 PSF
   II. FLAT ROOF SNOW (P_f): $P_f = 0.7\ C_e\ C_t\ I_s\ P_g$ (25 PSF MIN.)
   III. SNOW EXPOSURE FACTOR (C_e): 1.0
   IV. SNOW IMPORTANCE FACTOR (I_s): 1.1
   V. THERMAL FACTOR (C_t): 1.0

   RAIN:
   I. RAIN LOAD (R): 20 PSF
   II. AVG. STANDING HEAD (D_s): 2.5 IN.
   III. MAX. HYDRAULIC HEAD (D_h): 1.0 IN.
   VALUES ARE BASED ON ROOF OVERFLOW DRAINS 6 SCUPPERS SIZED AND SPACED FOR MAXIMUM HYDRAULIC HEADS INDICATED. CONTACT MULHERN & KULP IF HYDRAULIC HEADS ARE GREATER.

   WIND:
   I. SPEED (MPH): 120
   II. WIND IMPORTANCE FACTOR (I_w): 1.0
   III. EXPOSURE CATEGORY: B

   SEISMIC:
   I. SEISMIC IMPORTANCE FACTOR (I_E): 1.25
   II. MAPPED SPECTRAL RESPONSE: S_S: 0.282 S_1: 0.071
   III. SITE CLASS: C
   IV. SPECTRAL RESPONSE COEFF.: S_{DS}: 0.201 S_{D1}: .080
   V. SEISMIC DESIGN CATEGORY: B
   VI. BASIC SEISMIC FORCE RESISTING SYS: STEEL ORDINARY MOMENT FRAMES
   VII. DESIGN BASE SHEAR: 1047 KIPS
   VIII. SEISMIC RESPONSE COEFF. (C_S): 0.075 1.0 SEC
   IX. RESPONSE MOD. FACTOR (R): 3.0
   X. ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE

3. REFER TO 2018 IBC, CHAPTER 35 FOR APPLICABLE VERSION OF ALL CODES REFERENCED HEREAFTER, UNLESS OTHERWISE NOTED.
4. ALL DIMENSIONS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE VERIFIED BY THE CONTRACTOR TO CONFORM TO THOSE SHOWN ON THE ARCHITECTURAL DRAWINGS. IF STRUCTURAL DRAWINGS ARE USED FOR LAYING OUT CURVED WALLS AND WALL LINES, ALL DIMENSIONS SHALL FIRST BE VERIFIED WITH THE ARCHITECTURAL DRAWINGS AND EXISTING CONDITIONS. SURVEY LAYOUT FOR THE BUILDING SHALL BE CHECKED AND BE CLOSED BEFORE WORK IS COMMENCED.
5. IF MATERIALS, QUANTITIES, STRENGTHS OR SIZES INDICATED BY THE DRAWINGS OR SPECIFICATIONS ARE NOT IN AGREEMENT WITH THESE NOTES, THE BETTER QUALITY AND/OR GREATER QUANTITY, STRENGTH OR SIZE INDICATED, SHALL BE USED OR FURNISHED IN EACH CASE.
6. WORK NOT INDICATED ON A PART OF THE DRAWINGS BUT REASONABLY IMPLIED TO BE SIMILAR TO THAT SHOWN AT CORRESPONDING PLACES SHALL BE PROVIDED AS THOUGH COMPLETELY DETAILED AT NO EXTRA COST. MINOR DETAILS OR INCIDENTAL ITEMS NOT SHOWN OR SPECIFIED, BUT NECESSARY FOR A PROPER AND COMPLETE INSTALLATION SHALL BE INCLUDED AS REQUIRED.
7. STRUCTURAL DRAWINGS SHALL NOT BE UTILIZED TO DETERMINE THE EXTENT OF WORK. THE CONTRACTOR SHALL COORDINATE LOCATION OF ALL STRUCTURAL ELEMENTS, SLAB ON METAL DECK, DEPRESSIONS, AND TERRAZZO FINISHES WITH ARCHITECTURAL DRAWINGS AND RESOLVE ALL CONFLICTS PRIOR TO COMMENCEMENT OF WORK.
8. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ARCHITECT PRIOR TO PERFORMING THE WORK.
9. MISCELLANEOUS INDOOR OR COLD FORMED STEEL BLOCKING, FRAMING MEMBERS, ANGHORS, FASTENERS, ETC. SHALL BE PROVIDED AS REQUIRED WHETHER OR NOT SPECIFICALLY INDICATED ON DRAWINGS. SECTIONS AND DETAILS SHOWN, WHILE DRAWN FOR SPECIFIC LOCATIONS, ARE INTENDED TO ESTABLISH THE GENERAL TYPES OF DETAILS TO BE USED THROUGHOUT. IF THE CONTRACTOR WISHES TO USE DETAILS OTHER THAN THOSE SHOWN ON THE DRAWINGS, SUCH DETAILS SHALL BE SUBMITTED FOR APPROVAL AND APPROVAL CONFIRMED, BEFORE SHOP DRAWINGS ARE COMMENCED.
10. ALL WORK SHALL BE DONE IN ACCORDANCE WITH LOCAL APPLICABLE CODES AND REGULATIONS. APPROPRIATE SAFETY MEASURES SATISFYING LOCAL AND OSHA REQUIREMENTS SHALL BE PROVIDED.
11. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR HAVING VISITED THE SITE AND HAVING FAMILIARIZED HIMSELF WITH ALL EXISTING CONDITIONS. ANY QUESTIONS OR DISCREPANCIES FOUND WITH REGARD TO THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
12. IF THE EXISTING FIELD CONDITIONS DO NOT PERMIT THE INSTALLATION OF THE WORK IN ACCORDANCE WITH THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY AND PROVIDE A SKETCH OF THE CONDITION WITH HIS PROPOSED MODIFICATION OF THE DETAILS GIVEN ON THE CONTRACT DOCUMENTS. DO NOT COMMENCE WORK UNTIL CONDITION IS RESOLVED AND MODIFICATION IS APPROVED BY THE ARCHITECT.
13. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR WORK THAT HE DOES NOT REVIEW AND/OR WORK NOT COMPLETED IN ACCORDANCE WITH STRUCTURAL ENGINEER'S PLANS AND/OR SPECIFICATIONS.
14. THE STRUCTURAL ENGINEER'S REVIEW OF SHOP DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO FOLLOW THE INTENT OF THE CONTRACT DRAWINGS, UNLESS A WRITTEN REQUEST FOR A CHANGE HAS BEEN PREVIOUSLY SUBMITTED AND APPROVED BY THE STRUCTURAL ENGINEER.
15. THE STRUCTURE IS DESIGNED TO BE SELF SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE THE ERECTION PROCEDURES AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS, AND TIE-DOWNS. PROVIDE ALL SHORING AND BRACING REQUIRED TO STABILIZE AND PROTECT EXISTING AND ADJACENT STRUCTURES AND SYSTEMS DURING COURSE OF DEMOLITION AND CONSTRUCTION OF THE PROJECT.

DESIGN LOAD SCHEDULE

COMPONENT \ AREA	≠ S.D.S. (PUBLIC)	≠ S.D.S. (RESIDENTIAL)	TYP. FLOOR (PUBLIC)	TYP. FLOOR (RESIDENTIAL)	ROOF (FLAT)	ROOF (LIGHT GAGE)	LANDING			
CONCRETE SLAB	50	50								
ES PLANK (ROOF)					54					
MID PLANK (FLOOR)			71	71						
5" SOLID PLANK							100			
PARTITIONS		10		10						
FLOOR FINISH	2	2	2	2			2			
CEILING FINISH			2	2	2		2			
GYPCRETE			10	10						
ROOFING / INSULATION					5					
MECH. / ELEC. / PLUMBING			3	3	5					
MISC.			3	3	5					
L6 ROOF						25				
TOTAL DEAD LOAD	52	62	91	101	74	25	104			
TOTAL LIVE LOAD	100*	40*	100*	40*	20	20	100*			
TOTAL LOAD	152	102	191	141	94	45	204			

NOTES:
- ALL LOADS SHOWN ARE IN POUNDS PER SQUARE FOOT
- * INDICATES LIVE LOAD IS REDUCIBLE PER IBC
- SEE GENERAL NOTES ON PAGE S0.0 FOR ADDITIONAL LOADS INCLUDING SNOW, WIND, & SEISMIC LOAD PARAMETERS.

FOUNDATIONS & EARTHWORK

1. FOUNDATIONS SHALL BEAR ON UNDISTURBED VIRGIN SOIL AND/OR CONTROLLED COMPACTED FILL MATERIAL PROVIDING A BEARING PRESSURE OF 4000 PSF MINIMUM, BASED ON A SUBSURFACE EXPLORATION PROGRAM CARRIED OUT BY SEED CONSULTING ENGINEERS AND DESCRIBED IN REPORT NO. 1603, DATED 9/16/19. ALL EARTHWORK AND SUBGRADE PREPARATION SHALL BE EXECUTED AS PER THE RECOMMENDATIONS DESCRIBED IN THIS REPORT. THE SLAB-ON-GRADE DESIGN HAS BASED ON ACHIEVING A WESTERGAARD MODULUS OF SUBGRADE REACTION, K, EQUAL TO OR BETTER THAN 100 PCI. IN ADDITION, ALL FOUNDATION WALLS BELOW GRADE HERE DESIGNED FOR A SOIL FRICTION ANGLE OF 34 DEGREES.
2. ALL REQUIREMENTS FOR SITE PREPARATION AND SOIL COMPACTION SPECIFIED IN THE SOILS REPORT SHALL BE FOLLOWED UNLESS ADDITIONAL MORE STRINGENT REQUIREMENTS ARE SPECIFIED. THE SERVICES OF A GEOTECHNICAL ENGINEER OR APPROVED TESTING AGENCY SHALL BE RENDERED TO VERIFY THAT THE SUBSURFACE SITE CONDITIONS MEET THE DESIGN PARAMETERS NOTED ABOVE. NOTIFY ARCHITECT OR STRUCTURAL ENGINEER IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR. CONDITIONS THAT DO NOT MEET THE MINIMUM STANDARDS CITED ABOVE WILL RENDER THIS FOUNDATION AND SLAB DESIGN VOID, IN WHICH CASE THE STRUCTURAL ENGINEER SHALL PROVIDE NEW FOUNDATION DESIGN.
3. FOOTINGS ARE TO BEAR AT LOWEST OF FOLLOWING REQUIREMENTS:
   A. ELEVATIONS NOTED ON DRAWINGS.
   B. SOIL SUITABLE FOR DESIGN BEARING PRESSURE, AS DETERMINED BY GEOTECHNICAL ENGINEER.
   C. FROST DEPTH (AS DETERMINED BY LOCAL BUILDING DEPARTMENT) WITH RESPECT TO FINISH GRADE.
   D. SLOPE OF 1 VERTICAL TO 2 HORIZONTAL FROM NEAREST ADJACENT FOUNDATION.
4. PROTECT ALL EXISTING UNDERGROUND UTILITIES WITHIN WORK AREAS. CONSULT EXISTING MECHANICAL DRAWINGS RELEVANT TO SUCH UTILITIES.
5. BACKFILL SHALL BE GRANULAR MATERIAL APPROVED BY GEOTECHNICAL ENGINEER, DEPOSITED AND MACHINE COMPACTED IN 8-INCH MAXIMUM LAYERS. COMPACTION SHALL HAVE A MINIMUM OF 95% OF MAXIMUM DENSITY AT OPTIMUM MOISTURE CONTENT, IN ACCORDANCE WITH ASTM D1557 METHOD (MODIFIED PROCTOR) AS VERIFIED BY TESTING LABORATORY.
6. EXCAVATE ALL FOUNDATIONS TO REASONABLY EXACT OUTLINE AND DEPTH. AVOIDING OVER-EXCAVATION AND CAVE-IN OF SURROUNDING MATERIALS AFTER SLAB SUBGRADE WORK IS COMPLETE. BOTTOMS OF ALL FOUNDATIONS SHALL BE DRY AND LEVEL PRIOR TO POURING.
7. PROTECT SUBGRADE UNDER ALL FOOTINGS AND SLABS ON GRADE FROM FREEZING DURING CONSTRUCTION.
8. NO FILL OR BACKFILL SHALL BE PLACED AGAINST RETAINING OR FOUNDATION WALLS UNTIL GROUT OR CONCRETE HAS ATTAINED DESIGN STRENGTH AND SUPPORTING MEMBERS ARE IN PLACE, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM STRUCTURAL ENGINEER.

CONCRETE

1. ALL CONCRETE WORK SHALL BE IN CONFORMANCE WITH ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", AND ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE". CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 315, "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT", UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS.
2. ALL CONCRETE SHALL BE READY MIX AND DESIGNED IN ACCORDANCE WITH ACI 301. DESIGN MIXES AND ADMIXTURES SHALL BE SUBMITTED FOR APPROVAL.
3. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.:
   A. FOOTINGS AND GRADE BEAMS: 4000 PSI
   B. WALLS: 4000 PSI
   C. SLABS ON GRADE: 4000 PSI
   D. CAST-IN-PLACE STRUCTURAL SLABS: 4000 PSI
   E. CAST-IN-PLACE BEAMS, COLUMNS, AND PIERS: 4000 PSI
   F. ALL EXPOSED CONCRETE: 4000 PSI
   G. ALL CONCRETE WALL: 4000 PSI
   H. ALL CONCRETE SHALL HAVE: A SLUMP OF 4" (PLUS OR MINUS 1"), 2 TO 4 PERCENT AIR ENTRAINMENT, AND A MAX WATER CEMENT RATIO OF .50.
4. PROVIDE 4-6 PERCENT AIR ENTRAINMENT FOR ALL EXPOSED CONCRETE.
5. SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL INCLUDING FULL INFORMATION FOR ALL BENDING AND PLACEMENT OF REINFORCING NOT INDICATED TO THE DESIGN DRAWINGS.
6. ALL CONCRETE REINFORCING BARS SHALL BE PRIM BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60. ALL WELDED WIRE FABRIC SHALL BE IN ACCORDANCE WITH ASTM A185. WWF SHALL BE LAPPED AT LEAST 2 INCHES AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 2 INCHES.
7. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
   A. 3" CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
   B. 2" CONCRETE EXPOSED TO EARTH OR WEATHER, #6 THROUGH #18 BARS.
   C. 1 1/2" CONCRETE EXPOSED TO EARTH OR WEATHER, #5 BAR AND SMALLER.
   D. 1 1/2" CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH - FOR THE PRIMARY REINFORCEMENT IN SLABS, WALLS, AND SHELLS, BUT NOT LESS THAN THE DIAMETER OF THE BAR.
   E. 3/4" CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH - FOR SLABS, WALLS, AND JOISTS, #11 BAR AND SMALLER.
8. PROVIDE CORNER BARS TO MATCH SIZE AND SPACING OF HORIZONTAL REINFORCING AT CORNERS OF ALL CONCRETE WALL, FOOTING AND GRADE BEAM CONSTRUCTION. CORNER BARS SHALL LAP HORIZONTAL REINFORCEMENT A MINIMUM OF 48 BAR DIAMETERS, U.N.O.
9. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. AS NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE PROTECTIVE PLASTIC TIPPED OR STAINLESS STEEL.
10. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS AND AT SLABS EDGES.
11. MINIMUM LAP SPLICES ON ALL REINFORCING SHALL BE AS BAR DIAMETERS, EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS. FOR BEAMS AND ELEVATED SLABS, LAP BOTTOM STEEL AT THE SUPPORT AND TOP STEEL OVER THE MIDSPAN, UNLESS OTHERWISE NOTED.
12. REFER TO TYPICAL DETAILS FOR CONSTRUCTION CONTROL JOINTS, CONSTRUCTION JOINTS, AND EXPANSION JOINTS.
13. HORIZONTAL KEYWAYS IN CONSTRUCTION JOINTS SHALL BE PROVIDED IN BEAMS, SUPPORTED SLABS, AND WALL FOOTINGS WITH A DEPTH OF 1 1/2" AND HEIGHT EQUAL TO ONE THIRD OF THE MEMBER'S DEPTH. REINFORCEMENT SHALL BE CONTINUOUS THROUGH CONSTRUCTION JOINTS UNLESS OTHERWISE NOTED ON THE DRAWINGS. CONSTRUCTION JOINTS MAY BE USED ONLY AT LOCATIONS SHOWN ON THE DRAWINGS OR AT OTHER LOCATIONS APPROVED BY THE STRUCTURAL ENGINEER.
14. CONSTRUCTION JOINTS IN GRADE BEAMS SHALL BE LOCATED WITHIN MIDDLE THIRD OF SPANS WITH ALL REINFORCEMENT PASSING THROUGH JOINTS. JOINTS SHALL BE BULKHEADED AND PROVIDED WITH HORIZONTAL SHEAR KEYS AT 1/3 POINTS. ROUGHEN CONSTRUCTION JOINT SURFACES OF CONCRETE TO IMPROVE BOND.
15. STRUCTURALLY SUPPORTED SLABS ON GRADE BEAMS SHALL HAVE CONSTRUCTION JOINTS LOCATED WITHIN MIDDLE THIRD OF SPANS WITH ALL REINFORCEMENT PASSING THROUGH JOINTS. PROVIDE JOINTS WITH BULKHEADS HAVING CONTINUOUS CHAMFERED SHEAR KEYS.
16. COMPLETE CONCRETE POURS SHALL BE LIMITED TO FOUR AREAS NOT TO EXCEED 3600 SQUARE FEET. CONSTRUCTION JOINTS SHALL BE LOCATED AT 1/3 POINTS OF GIRDERS AND AT MIDSPACINGS OF BEAMS WITH WELDED WIRE FABRIC REINFORCING BARS PASSING THROUGH THE BULKHEADS. SUBMIT LOCATIONS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PLACING CONCRETE.
17. ALL CONCRETE, INCLUDING FOUNDATION WORK, IS TO BE VIBRATED. VIBRATORS SHALL NOT BE USED TO TRANSPORT CONCRETE.
18. CONCRETE SHALL BE PLACED IN ACCORDANCE WITH THE RECOMMENDATIONS OF ACI COMMITTEE 304. CONCRETE SHALL NOT BE SUBJECT TO DROPS IN EXCESS OF 5 FEET.
19. CONDUITS, PIPES AND SLEEVES SHALL NOT BE LARGER WITH 1/3 OVERALL THICKNESS OF SLAB, WALL OR BEAM IN WHICH THEY ARE EMBEDDED UNLESS OTHERWISE NOTED ON DRAWING OR APPROVED BY STRUCTURAL ENGINEER. INSERTS SHALL NOT BE PLACED CLOSER THAN 3 DIAMETERS OR WIDTHS ON CENTER. REFER TO ACI 318 AND PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. ALL INSERTS ARE TO BE REVIEWED BY ENGINEER PRIOR TO INSTALLATION AND PLACEMENT OF CONCRETE.
20. CONTRACTOR SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS, INSERTS, EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, SLOPES, ETC., AS REQUIRED BY OTHER TRADES. THESE ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
21. ALL ANCHOR BOLTS SHALL BE IN PLACE PRIOR TO POURING CONCRETE.
22. CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS, AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS.
23. SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL SLAB DETAILS INDICATED ON THE CONSTRUCTION DOCUMENTS.
24. PROVIDE 6 INCHES CRUSHED STONE UNDER ALL SLAB-ON-GRADE LOCATIONS UNLESS OTHERWISE NOTED IN THE GEOTECHNICAL REPORT.
25. POROUS FILL FOR SLABS SHALL BE A UNIFORMLY GRADED MEDIUM COURSE STONE AGGREGATE TO PROVIDE, WHEN COMPACTED, A LEVEL, STABLE AND WELL DRAINING SUB-BASE FOR THE SLAB. USE #57 CRUSHED NATURAL STONE OR EQUAL.
26. PRIOR TO POURING FLOOR SLABS, REFER TO THE CONSTRUCTION DOGMENTS FOR ADDITIONAL WORK TO BE COMPLETED IN OR BELOW THE FLOOR.
27. AFTER ALL UNDER-SLAB WORK HAS BEEN INSTALLED, CONTRACTOR SHALL FIELD CONFIRM THE DENSITY OF THE SOIL. ANY SOFT, PUMPING, OR OTHERWISE UNSTABLE OR UNSUITABLE SUBGRADE SOIL THUS DETECTED SHALL BE UNDERCUT AND REPLACED WITH SUITABLE FILL PLACED AND COMPACTED AS DIRECTED BY GEOTECHNICAL ENGINEER. ANY AREAS WHERE THE COMPACTED SUB-GRADE IS DEPRESSED BY MORE THAN 2" SHALL BE FILLED WITH SUITABLE MATERIAL AND RE-COMPACTED.
28. PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND AT OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP.
29. PROVIDE 1/2 INCH PREFORMED EXPANSION JOINTS IN SLABS WHERE INDICATED. REFER TO TYPICAL SLAB JOINT DETAILS.
30. WHERE INTERIOR SLABS ABUT MASONRY OR CONCRETE WALLS, THE SLAB SHALL BE THICKENED TO 8" MINIMUM ADJACENT TO WALL. PROVIDE 1/2 INCH THICK PRE-MOLDED JOINT FILLER ALL AROUND SLABS-ON-GRADE WHERE ABUTTING CONCRETE/MASONRY WALLS, UNLESS OTHERWISE NOTED.
31. COLUMNS SHALL BE ISOLATED FROM THE FLOOR SLAB WITH FULL CONSTRUCTION JOINTS AND COMPRESSIBLE MATERIAL. SLAB BLOCK-OUTS AROUND COLUMNS SHALL BE DIAMOND OR CIRCULAR IN SHAPE, AND OF A UNIFORM SIZE.
32. RAMPS, SLOPING SLABS, STEPS, AND SLABS EXPOSED TO WEATHER SHALL RECEIVE A LIGHT BROOMED FINISH, U.O.N.
33. LOCATE WELDED WIRE FABRIC 1-1/2 INCHES BELOW TOP OF SLAB.

PRECAST/PRESTRESSED CONCRETE PLANK

1. ALL PRECAST/PRESTRESSED CONCRETE WORK SHALL BE IN CONFORMANCE WITH PRECAST/PRESTRESSED CONCRETE INSTITUTE AND THE REQUIREMENTS OF ACI 318 AND THE PROJECT STANDARDS AND SPECIFICATIONS.
2. PRECAST CONCRETE PLANK SHALL BE PRETENSIONED, HOLLOW CORE, FLAT SLABS BY A RECOGNIZED MANUFACTURER, DESIGNED FOR SUPERIMPOSED LOADS LISTED INCLUDING PARTITIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR NON-BEARING PARTITIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
3. REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPANNING DIRECTION OF PRECAST MEMBERS.
4. PROVIDE SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF PROPOSED CONSTRUCTION WITH FULL INFORMATION FOR PLACING ALL REINFORCING WITHOUT REFERENCE TO DESIGN DRAWINGS.
5. ALL OPENINGS IN PRECAST CONCRETE MUST BE PROVIDED BY OR APPROVED IN WRITING BY THE PRECAST MANUFACTURER. NO REINFORCEMENT IN PRECAST CONCRETE IS TO BE CUT

Special Inspection Requirements

BRAEMAR AT MONTEBELLO ASSISTED LIVING FACILITY

ROCKLAND COUNTY, NEW YORK

STRUCTURAL OBSERVATIONS

1. PRIOR TO INITIATING CONSTRUCTION, THE GENERAL CONTRACTOR, A REPRESENTATIVE OF THE BUILDING OWNER, AND PROJECT ARCHITECT SHALL MEET WITH A REPRESENTATIVE FROM MJK TO DISCUSS CONSTRUCTION PRACTICES AND PROCEDURES OF THE MAJOR STRUCTURAL SYSTEMS, ESTABLISH PROCEDURES AND GUIDELINES FOR REQUESTING INFORMATION FROM MJK, AND TO REVIEW THE STRUCTURAL OBSERVATIONS, SPECIAL INSPECTIONS, AND TESTING REQUIREMENTS OUTLINED IN THE CONSTRUCTION DOCUMENTS.
2. MJK SHALL OR MAY: VISIT THE PROJECT AT APPROPRIATE INTERVALS DURING CONSTRUCTION TO BECOME GENERALLY FAMILIAR WITH THE PROGRESS AND QUALITY OF THE CONTRACTORS WORK AND TO DETERMINE IF THE WORK IS PROCEEDING IN GENERAL ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE CLIENT HAS NOT RETAINED MJK TO MAKE DETAILED INSPECTIONS NOR TO PROVIDE EXHAUSTIVE OR CONTINUOUS PROJECT REVIEW AND OBSERVATION SERVICES. MJK DOES NOT GUARANTEE THE PERFORMANCE OF AND SHALL HAVE NO RESPONSIBILITY FOR, FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT. IF THE CLIENT DESIRES MORE EXTENSIVE PROJECT OBSERVATION OR FULL-TIME PROJECT REPRESENTATION, THE CLIENT SHALL REQUEST SUCH SERVICES BE PROVIDED BY MJK AS ADDITIONAL SERVICES.
3. MJK DOES NOT GUARANTEE THE PERFORMANCE OF, AND HAS NO RESPONSIBILITY FOR, THE ACTS OR OMISSIONS OF ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT.
4. STRUCTURAL OBSERVATIONS PERFORMED BY MJK SHALL NOT BE CONSIDERED A SUBSTITUTION FOR THE QUALITY CONTROL PROGRAMS AND PROCEDURES OF ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT.
5. STRUCTURAL OBSERVATIONS PERFORMED BY MJK SHALL NOT BE CONSIDERED A SUBSTITUTION FOR THE REQUIRED SPECIAL INSPECTIONS LISTED.
6. MJK SHALL PROVIDE STRUCTURAL OBSERVATION/SITE VISIT REPORTS TO THE CLIENT FOLLOWING EACH VISIT TO THE JOB SITE. DEFICIENCIES OR DEVIATIONS LISTED IN THE REPORT MUST BE RESOLVED TO THE SATISFACTION OF MJK. MJK SHALL NOTIFY THE CODE OR BUILDING OFFICIAL IN WRITING OF ANY OUTSTANDING OR UNRESOLVED STRUCTURAL DEFICIENCIES OR DEVIATIONS PRIOR TO THE COMPLETION OF CONSTRUCTION.

SPECIAL INSPECTIONS

GENERAL

1. SPECIAL INSPECTIONS AND TESTS SHALL BE PERFORMED FOR THIS PROJECT FOR ALL STRUCTURAL SYSTEMS OF THE CONSTRUCTION TYPES LISTED HEREIN. THE BUILDING OWNER OR A REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE BUILDING OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE THE SPECIAL INSPECTIONS AND TESTS.
2. THE QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTIONS AND TESTING ACTIVITIES SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND ARE SUBJECT TO APPROVAL OF THE BUILDING OFFICIAL AND/OR THE STRUCTURAL ENGINEER. QUALIFIED SPECIAL INSPECTORS SHALL DEMONSTRATE COMPETENCE AND RELATED EXPERIENCE OR TRAINING FOR INSPECTION OF THE PARTICULAR CONSTRUCTION TYPES REQUIRING SPECIAL INSPECTIONS.
3. THE CREDENTIALS OF ALL INSPECTORS AND TESTING TECHNICIANS SHALL BE PROVIDED TO MJK IF REQUESTED.
4. THE CONSTRUCTION OR WORK FOR WHICH SPECIAL INSPECTION OR TESTING IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED FOR SPECIAL INSPECTION OR TESTING PURPOSES UNTIL COMPLETION OF THE REQUIRED SPECIAL INSPECTIONS OR TESTS.
5. SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS AND TESTS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION AND TESTING REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (AND STRUCTURAL ENGINEER OF RECORD) REPORTS SHALL INDICATE THAT WORK INSPECTED OR TESTED HAS OR HAS NOT COMPLIED IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS.
6. DISCREPANCIES BETWEEN THE INSPECTED CONSTRUCTION AND THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE BUILDING CONTRACTOR FOR CORRECTION. IF THE DISCREPANCIES ARE NOT CORRECTED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE (AND STRUCTURAL ENGINEER OF RECORD), PRIOR TO COMPLETION OF THE PHASE OF CONSTRUCTION IN QUESTION.
7. SPECIAL INSPECTORS SHALL SUBMIT A FINAL REPORT DOCUMENTING ALL REQUIRED SPECIAL INSPECTIONS AND TESTS DIRECTLY TO THE STRUCTURAL ENGINEER OF RECORD AND TO THE BUILDING OFFICIAL. THE REPORT SHALL DOCUMENT THE REQUIRED SPECIAL INSPECTIONS AND TESTS, THE CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTION RECORDS, AND SHALL INDICATE THAT THE FINAL INSPECTED CONSTRUCTION IS IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS.
8. SPECIAL INSPECTIONS SHALL BE PERFORMED ON A PERIODIC OR CONTINUOUS BASIS IF INDICATED HEREAFTER AS (PERIODIC) OR (CONTINUOUS). PERIODIC AND CONTINUOUS SPECIAL INSPECTIONS SHALL BE DEFINED AS FOLLOWS:
   - A. CONTINUOUS SPECIAL INSPECTIONS:
     THE FULL-TIME OBSERVATION AND/OR TESTING OF WORK REQUIRING SPECIAL INSPECTION BY A QUALIFIED SPECIAL INSPECTOR WHO IS PRESENT WHEN AND WHERE THE WORK TO BE INSPECTED IS BEING PERFORMED.
   - B. PERIODIC SPECIAL INSPECTIONS:
     THE PART-TIME OR INTERMITTENT OBSERVATION AND/OR TESTING OF WORK REQUIRING SPECIAL INSPECTION BY A QUALIFIED SPECIAL INSPECTOR WHO IS PRESENT WHERE THE WORK TO BE INSPECTED HAS BEEN OR IS BEING PERFORMED, AND AT THE COMPLETION OF THE WORK.
9. A STATEMENT OF SPECIAL INSPECTIONS SHALL BE PREPARED BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PER THE REQUIREMENTS OF IBC SECTION 1704.3 FOR ALL SYSTEMS IDENTIFIED HEREIN AS REQUIRING SPECIAL INSPECTIONS.
10. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF MAIN WIND/SEISMIC FORCE RESISTING SYSTEMS, DESIGNATED SEISMIC SYSTEMS, OR A WIND/SEISMIC RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS, SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND BUILDING OWNER PRIOR TO THE COMMENCEMENT OF WORK FOR THE SYSTEM OR COMPONENT FOR WHICH HE IS RESPONSIBLE. THE STATEMENT SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTIONS REQUIREMENTS LISTED HEREIN OR IN THE STATEMENT OF SPECIAL INSPECTIONS FOR THE SYSTEMS OR COMPONENTS FOR WHICH THE CONTRACTOR IS RESPONSIBLE.
11. IMPLEMENTATION OF THE SPECIAL INSPECTIONS PROGRAM SHALL NOT BE CONSIDERED A SUBSTITUTION FOR THE QUALITY CONTROL PROGRAMS AND PROCEDURES OF ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT.ON IS IN CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL (AND STRUCTURAL ENGINEER).

SHOP FABRICATION

1. THE SPECIAL INSPECTION REQUIREMENTS LISTED HEREIN SHALL APPLY TO THE FABRICATION OF STRUCTURAL LOAD-BEARING, AND LATERAL LOAD-RESISTING MEMBERS OR ASSEMBLIES THAT IS PERFORMED ON THE PREMISES OF A FABRICATION SHOP. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY-CONTROL PROCEDURES AND SHALL REVIEW THESE PROCEDURES TO CONFIRM THAT THEY ARE SUFFICIENT FOR THE FABRICATION TO CONFORM TO THE CONSTRUCTION DOCUMENTS.
2. THE SPECIAL INSPECTION REQUIREMENTS LISTED HEREIN FOR FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES ARE NOT REQUIRED WHEN THAT WORK IS PERFORMED ON THE PREMISES OF A FABRICATION SHOP THAT IS REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION BY A QUALIFIED AND APPROVED SPECIAL INSPECTIONS AGENCY. FOR SHOP FABRICATION TO QUALIFY FOR THIS EXEMPTION, ONE COPY OF BOTH THE DOCUMENTATION OF THE SHOP'S APPROVAL STATUS, AND OF THE CERTIFICATE OF COMPLIANCE FROM THE FABRICATOR STATING THAT THE FABRICATION IS IN CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS, SHALL BE SUBMITTED TO THE BUILDING OFFICIAL (AND STRUCTURAL ENGINEER).

STEEL CONSTRUCTION

1. STRUCTURAL STEEL:
   SPECIAL INSPECTIONS AND TESTING FOR STRUCTURAL STEEL, INCLUDING ALL STRUCTURAL STEEL MEMBERS AND THEIR CONNECTIONS, SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360.
2. COLD FORMED STEEL TRUSSES:
   FOR COLD FORMED STEEL TRUSSES SPANNING 60 FEET OR MORE, SPECIAL INSPECTOR SHALL VERIFY THAT TEMPORARY INSTALLATION RESTRAINT/BRACING AND PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT/BRACING IS INSTALLED IN ACCORDANCE WITH APPROVED TRUSS SUBMITTAL PACKAGE.

CONCRETE CONSTRUCTION

1. CONCRETE CONSTRUCTION, INCLUDING REINFORCING STEEL AND FORMWORK, SHALL BE INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS IN IBC SECTION 1705.3.

COLD-FORMED STEEL LIGHT-FRAMED CONSTRUCTION

1. ALL PREFABRICATED LIGHT GAGE CONSTRUCTION SHALL BE INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTION 1704.2.5.
2. COLD FORMED STEEL BRACED FRAMES, LATERAL BRACES, COLLECTORS, DRAG STRUTS, HOLD DOWNS, AND THEIR CONNECTIONS, SHALL BE INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF IBC SECTIONS 1705.11.2 AND 1705.12.3.
3. THE SPECIAL INSPECTOR SHALL VERIFY THAT INSTALLATION AND ATTACHMENT OF ALL HOLD DOWNS AND ANCHORAGE OF SHEAR WALLS AND BRACED WALL PANELS TO THE SUPPORTING STRUCTURE AND FOUNDATIONS ARE IN CONFORMANCE WITH THE STRUCTURAL DRAWINGS, INCLUDING:
   - A. WELDING OF POSTS TO EMBEDMENT PLATES IN THE FLOOR OR FOUNDATION.
   - B. CONSTRUCTION AND ATTACHMENT/EMBEDMENT OF EMBEDMENTS TO THE SUPPORTING STRUCTURE OR FOUNDATION.
   - C. WELDING AND/OR BOLTING OF HOLD DOWNS AND ANCHORAGE ELEMENTS TO SHEAR WALL AND BRACED WALL PANEL POSTS AND/OR TRACK.
   - D. INSTALLATION OF ALL SCREWS, BOLTS, AND ANCHORS CONNECTING SHEAR WALLS AND BRACED WALL PANELS TO SUPPORTING STRUCTURE AND FOUNDATIONS.
   - E. CONNECTION OF FLOOR AND ROOF DIAPHRAGM ELEMENTS TO SHEAR WALLS AND BRACED WALL PANELS AND TOP OF WALL CONNECTION DETAILS.

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MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
TRD	DTF	KSS	HLC
PROJECT No: 01E-16001	DATE: 12/13/19	SCALE: AS SHOWN	

CLIENT

MONTEBELLO REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
250 LAFAYETTE AVENUE
(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

SPECIAL INSPECTION NOTES

DRAWING No.	SHEET No.
S0.1	OF

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FOOTING SCHEDULE			
TYPE MARK	TYPE COMMENTS	WIDTH	REINFORCEMENT
F30	36" x 36" x 12"	3' - 0"	(4) #5 E.W.B.
F50	60" x 60" x 16"	6' - 0"	(6) #5 E.W.B.
F60	72" x 72" x 16"	6' - 0"	(6) #6 E.W.B.
F70	84" x 84" x 20"	7' - 0"	(8) #6 E.W.B.
F80	96" x 96" x 20"	8' - 0"	(9) #6 E.W.B.
F90	108" x 108" x 24"	9' - 0"	(11) #6 E.W.B.
F20.12	24" x 12" Cont.	2' - 0"	(2) #5 Cont. + #5 @ 12" o.c. Trans.
F66.20	78" x 20" Cont.	6' - 6"	SEE 9/SD1.1
F86.24	102" x 24" Cont.	8' - 6"	See Section 11/SD1.1

GRADE BEAM SCHEDULE				
TYPE MARK	TYPE	WIDTH	LONGITUDINAL REINFORCEMENT	TIES
GB-1	Grade Beam - 36" x 28"	3' - 0"	(6) #7 BARS TOP & BOTTOM	#4 @ 12" o.c.
GB-2	Grade Beam - 60" x 28"	5' - 0"	(10) #7 BARS TOP & BOTTOM	#4 @ 12" o.c.

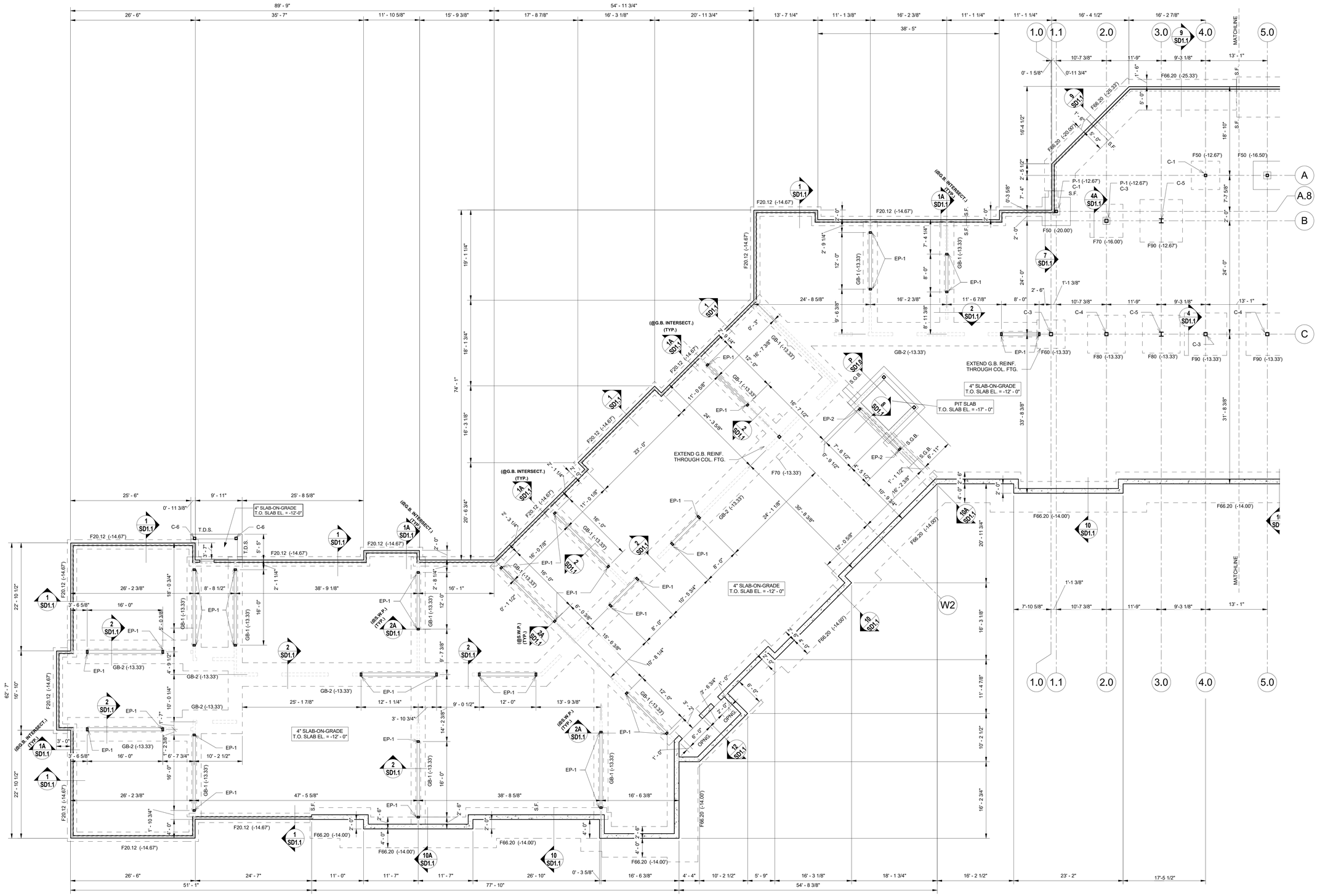
PIER SCHEDULE			
TYPE MARK	SIZE (in.)	VERT. REINF.	TIES
P-1	18 x 18	(8) #6	#3 @ 12" o.c.
P-2	24 x 24	(8) #7	#3 @ 12" o.c.
P-3	12 x 36	(8) #6	#3 @ 12" o.c.

COLUMN SCHEDULE	
TYPE MARK	TYPE
C-1	HSS6X6X3/8
C-2	HSS6X6X1/2
C-3	HSS8X8X3/8
C-4	HSS8X8X1/2
C-5	W10X54
C-6	HSS4X4X3/8

THICKENED SLAB SCHEDULE			
TYPE MARK	WIDTH	HEIGHT	REBAR-LONG.
TS30.12	3' - 0"	1' - 0"	(3) #5 CONT.
TS40.12	4' - 0"	1' - 0"	(3) #5 CONT.

FOUNDATION NOTES

- TOP OF 1st FLR. SLAB EL. = 408.00' = DATUM EL. = (0.00')
- (<u>-.--</u>') INDICATES TOP OF CONCRETE FOOTING, PIER, SLAB, OR WALL ELEVATION RELATIVE TO DATUM.
- 'F__' INDICATES REINFORCED CONCRETE FOOTING. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- 'C-__' INDICATES STEEL COLUMN. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- 'P-__' INDICATES REINFORCED CONCRETE PIER. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- 'S.F.' INCDICATES STEPPED FOOTING LOCATION. REFER TO DETAIL F/SD1.0 FOR ADDITIONAL INFORMATION.
- 'EP-_' INDICATES EMBED PLATE. SEE EMBED PLATE DETAILS ON SHEET SD1.0.
- 'GB-_' INDICATES REINFORCED CONCRETE GRADE BEAM. REFER TO SCHEDULE FOR ADDITIONAL INFORMATION.
- ARCHITECT TO REVIEW & VERIFY ALL DIMENSIONS.
- COORDINATE ALL UNDER-SLAB PIPING & UTILITIES PRIOR TO POURING CONCRETE SLAB-ON-GRADE.
- VERIFY ALL SLAB SLOPES, STEPS, & ELEVATIONS w/ ARCHITECTURAL DRAWINGS.
- REFER TO ARCHITECTURAL DRAWINGS FOR SIZES & LOCATIONS OF FLOOR DRAINS.
- BASEMENT WALLS SHALL BE BRACED PRIOR TO BACKFILLING BY EITHER ADEQUATE TEMPORARY BRACING OR INSTALLATION OF 1st FLOOR FRAMING AND DECKING.
- 'T.D.S.' INDICATES TURNED DOWN SLAB. SEE M/SD1.0 FOR MORE INFO.



1 FOUNDATION PLAN - West
1/8" = 1'-0"

H 2 M architects + engineers

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CLIENT

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Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
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(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

FOUNDATION PLAN

DRAWING No.

S1.0

SHEET No.

OF

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FOUNDATION NOTES

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- 'S.F.' INDICATES STEPPED FOOTING LOCATION. REFER TO DETAIL F/SD1.0 FOR ADDITIONAL INFORMATION.
- 'EP-_' INDICATES EMBED PLATE. SEE EMBED PLATE DETAILS ON SHEET SD1.0.
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PIER SCHEDULE

TYPE MARK	SIZE (in.)	VERT. REINF.	TIES
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P-2	24 x 24	(8) #7	#3 @ 12" o.c.
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GRADE BEAM SCHEDULE

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F80	96" x 96" x 20"	8' - 0"	(9) #6 E.W.B.
F90	108" x 108" x 24"	9' - 0"	(11) #6 E.W.B.
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F66.20	78" x 20" Cont.	6' - 6"	SEE 9/SD1.1
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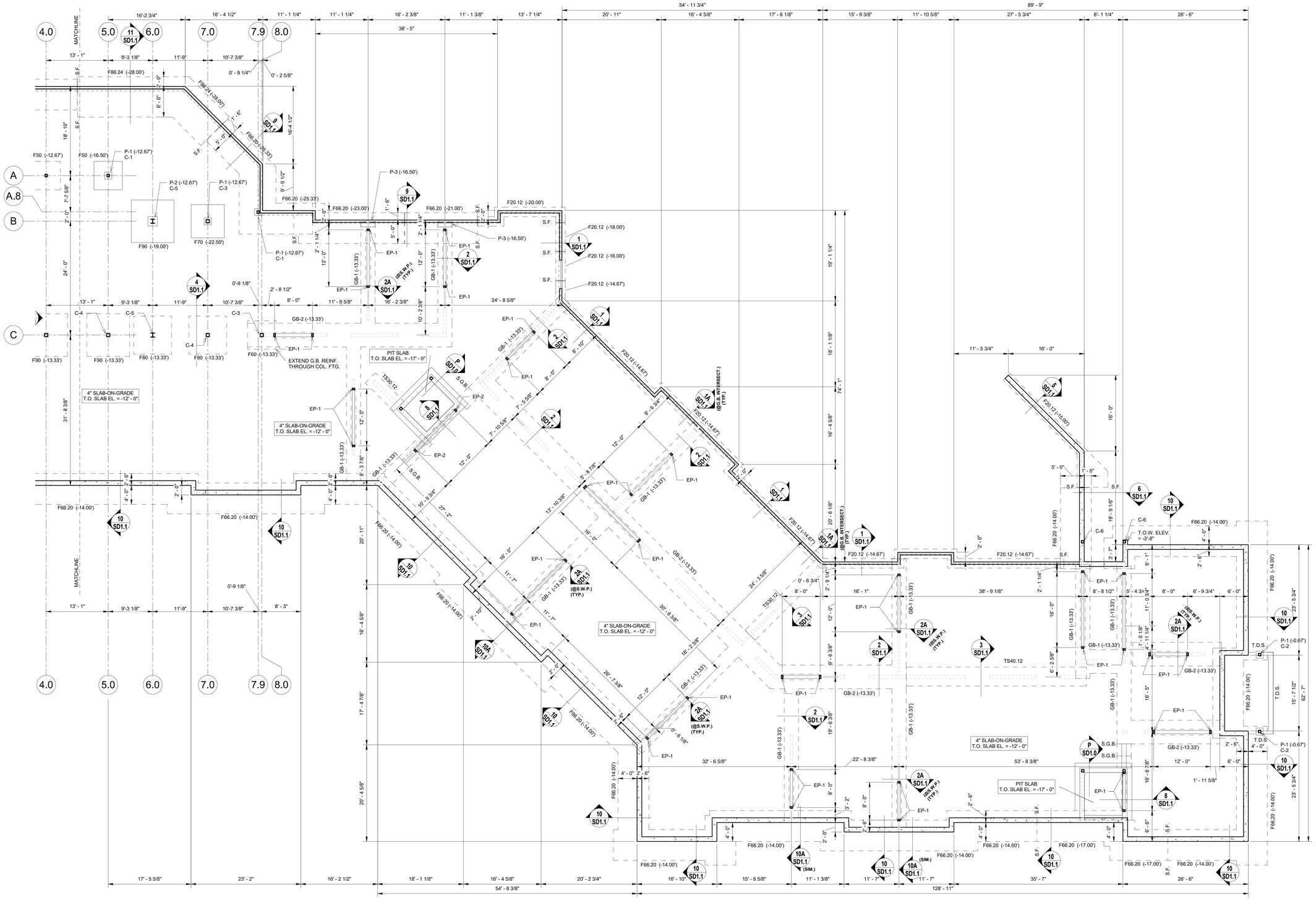

1 FOUNDATION PLAN - East
1/8" = 1'-0"

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SHEET TITLE
FOUNDATION PLAN

DRAWING No.
S1.1

SHEET No.
OF

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FRAMING NOTES

- TOP OF 1st FLR. SLAB EL. = 408.00' = DATUM EL. = (0.00')
- PRECAST PLANK BEARING ELEVATION IS 11" BELOW FINISHED FLOOR ELEVATION AT 1st-3rd FLOORS, U.N.O.
- PRECAST PLANK BEARING ELEVATION IS 8" BELOW TOP OF ROOF ELEVATION AT ROOF FRAMING, U.N.O.
- REFER TO WALL FRAMING PLANS FOR LIGHT-GAGE METAL WALL PANEL CONSTRUCTION
- ALL STRUCTUAL STEEL CONNECTIONS SHALL BE FULL-DEPTH SHEAR CONNECTIONS, U.O.N. ON PLAN. REFER TO TYP. DETAILS ON SD2.1 FOR ADD'L INFORMATION.
- REFER TO STEEL BEAM FRAMING PLAN KEY FOR ADDITIONAL INFORMATION.
- 'C-_ ' INDICATES STEEL COLUMN. REFER TO COLUMN SCHEDULE FOR ADDITIONAL INFORMATION.
- 'CB-_ ' INDICATES CONCRETE BEAM. REFER TO CONCRETE BEAM SCHEDULE FOR ADDITIONAL INFORMATION.
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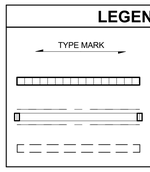
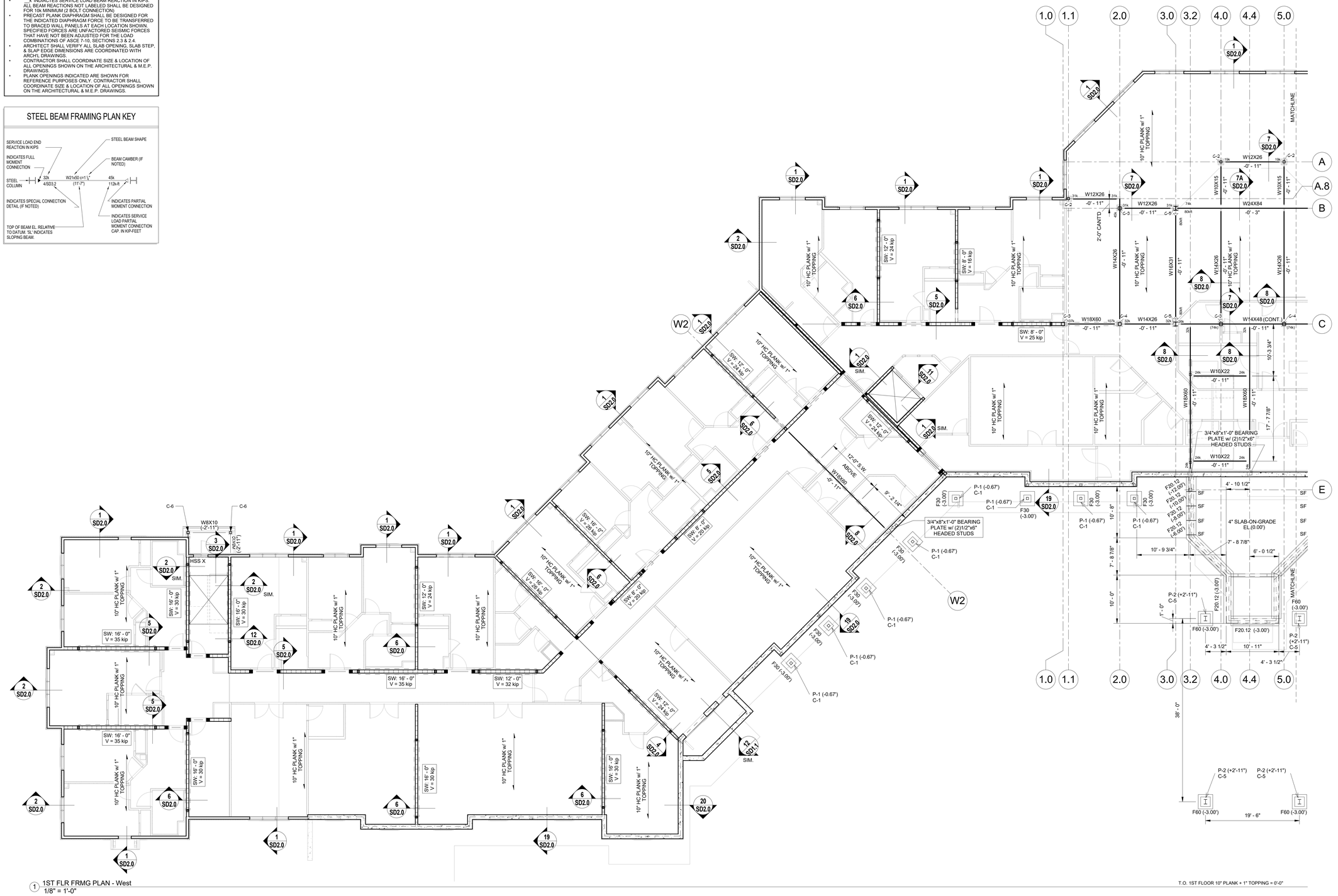
STEEL BEAM FRAMING PLAN KEY

LEGEND



PIER SCHEDULE			
TYPE MARK	SIZE (in.)	VERT. REINF.	TIES
P-1	18 x 18	(8) #6	#3 @ 12" o.c.
P-2	24 x 24	(8) #7	#3 @ 12" o.c.
P-3	12 x 36	(8) #6	#3 @ 12" o.c.

COLUMN SCHEDULE	
TYPE MARK	TYPE
C-1	HSS6X6X3/8
C-2	HSS6X6X1/2
C-3	HSS8X8X3/8
C-4	HSS8X8X1/2
C-5	W10X54
C-6	HSS4X4X3/8



1 1ST FLR FRMG PLAN - West
1/8" = 1'-0"

H 2 M architects + engineers

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	01/24/20	FINAL BID / PERMIT

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TRD	DTF	KSS	HLC
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01E-16001	12/13/19	AS SHOWN	

CLIENT

MONTEBELLO REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
250 LAFAYETTE AVENUE
(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

FIRST FLOOR FRAMING PLAN

DRAWING No.	SHEET No.
S2.0	OF

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PIER SCHEDULE			
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P-1	18 x 18	(8) #6	#3 @ 12" o.c.
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C-4	HSS8X8X1/2
C-5	W10X54
C-6	HSS4X4X3/8

LEGEND

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- INDICATES LIGHT GAGE SHEAR WALL
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FRAMING NOTES

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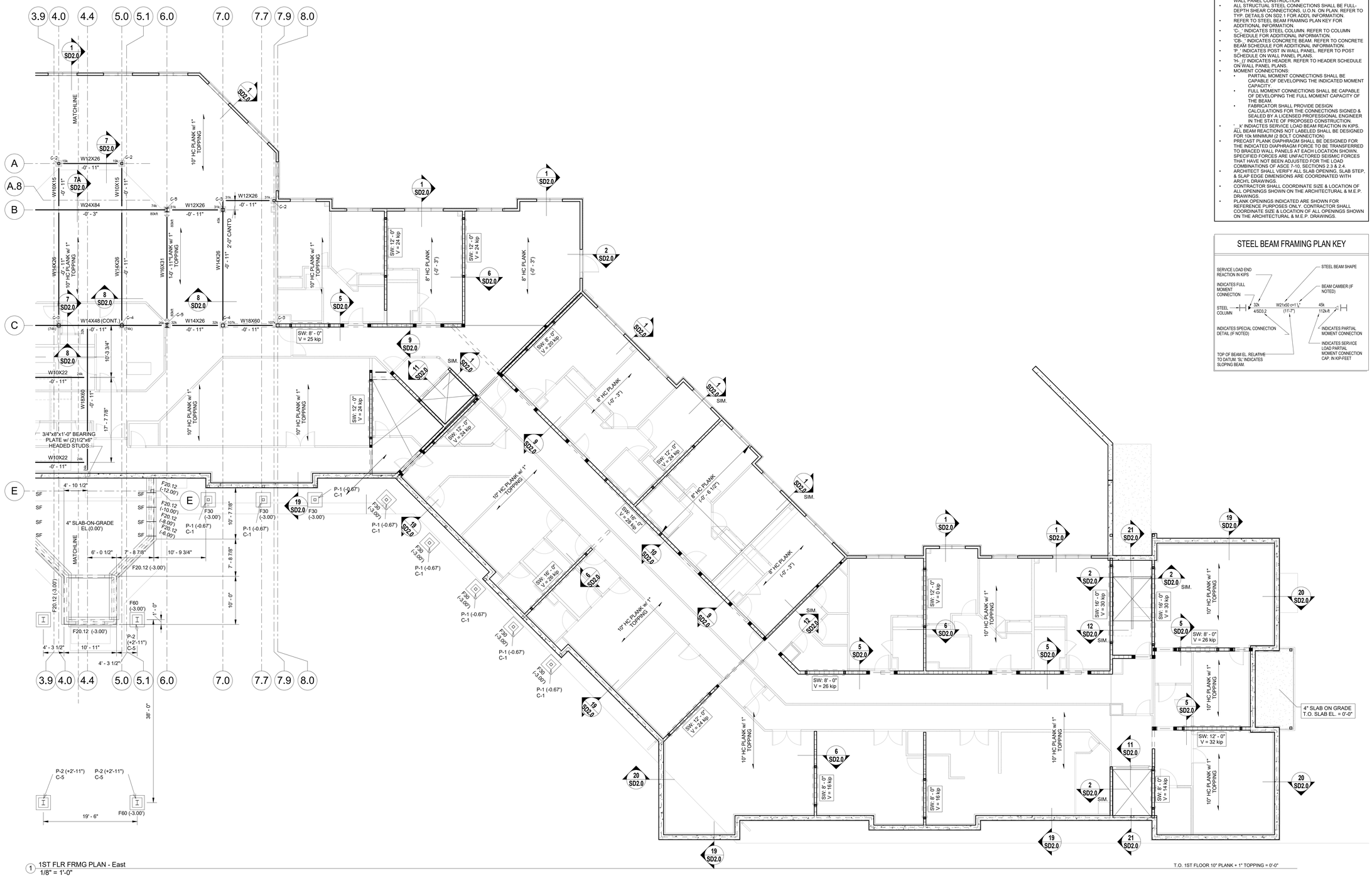

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1/8" = 1'-0"

T.O. 1ST FLOOR 10" PLANK + 1" TOPPING = 0'-0"

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NEW YORK

CONTRACT

STATUS
REGULATORY REVIEW

SHEET TITLE
FIRST FLOOR FRAMING PLAN

DRAWING No.
S2.1

SHEET No.
OF

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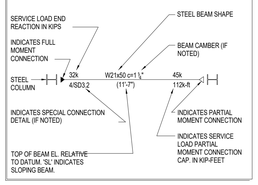
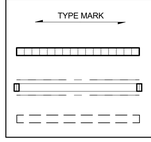


LEGEND



COLUMN SCHEDULE	
TYPE MARK	TYPE
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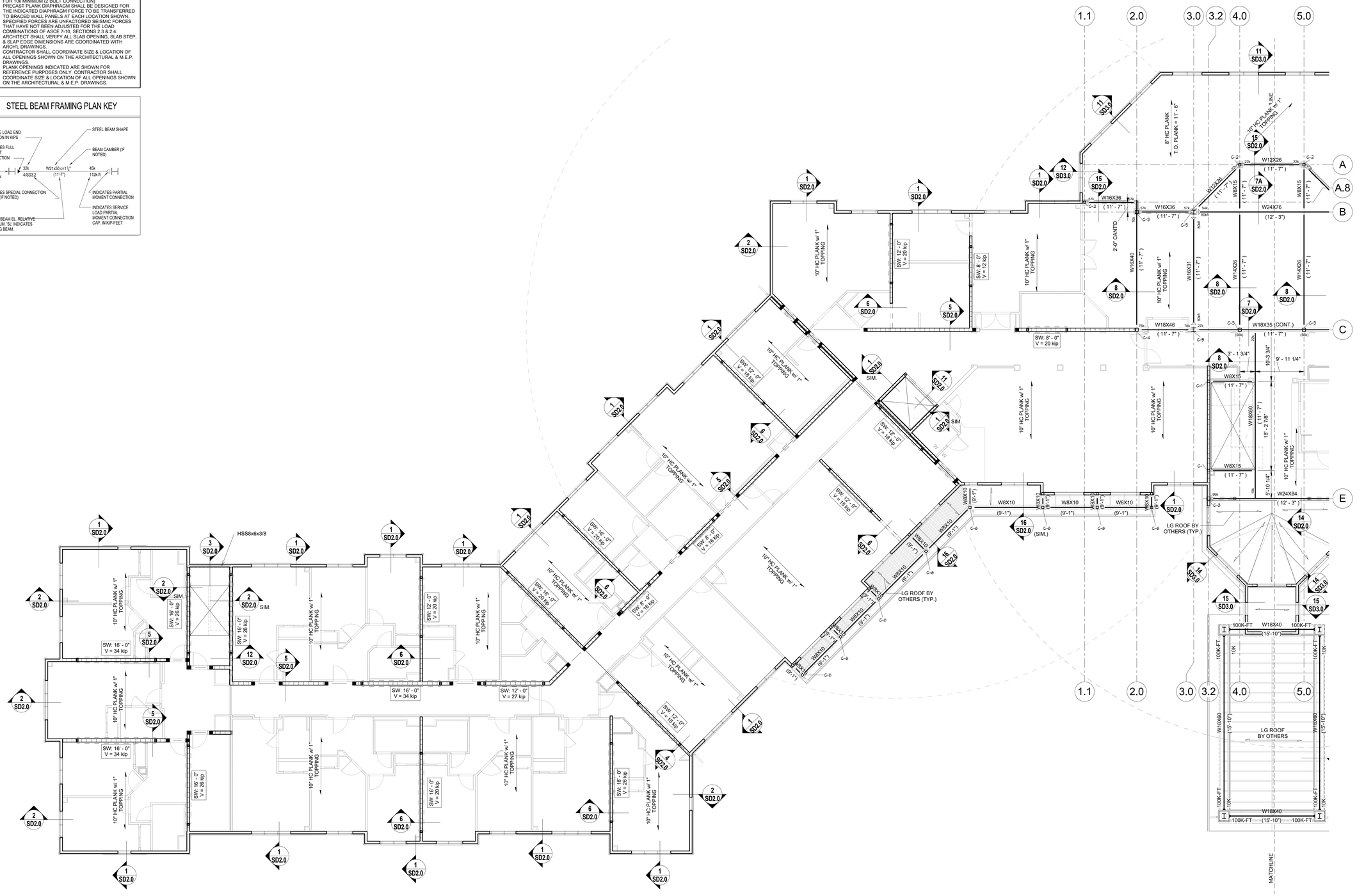
C-4	HSS8X8X1/2
C-5	W10X54
C-6	HSS4X4X3/8



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NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

SECOND FLOOR FRAMING PLAN

DRAWING No.

S3.0

SHEET No.

OF

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COLUMN SCHEDULE	
TYPE MARK	TYPE
C-1	HSS6X6X3/8
C-2	HSS6X6X1/2
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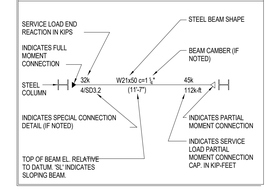
STEEL BEAM FRAMING PLAN KEY



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NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

SECOND FLOOR FRAMING PLAN

DRAWING No.

S3.1

SHEET No.

OF

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1 2ND FLR FRMG PLAN - East
1/8" = 1'-0"

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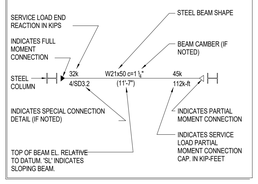

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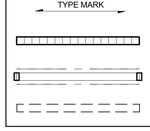

COLUMN SCHEDULE	
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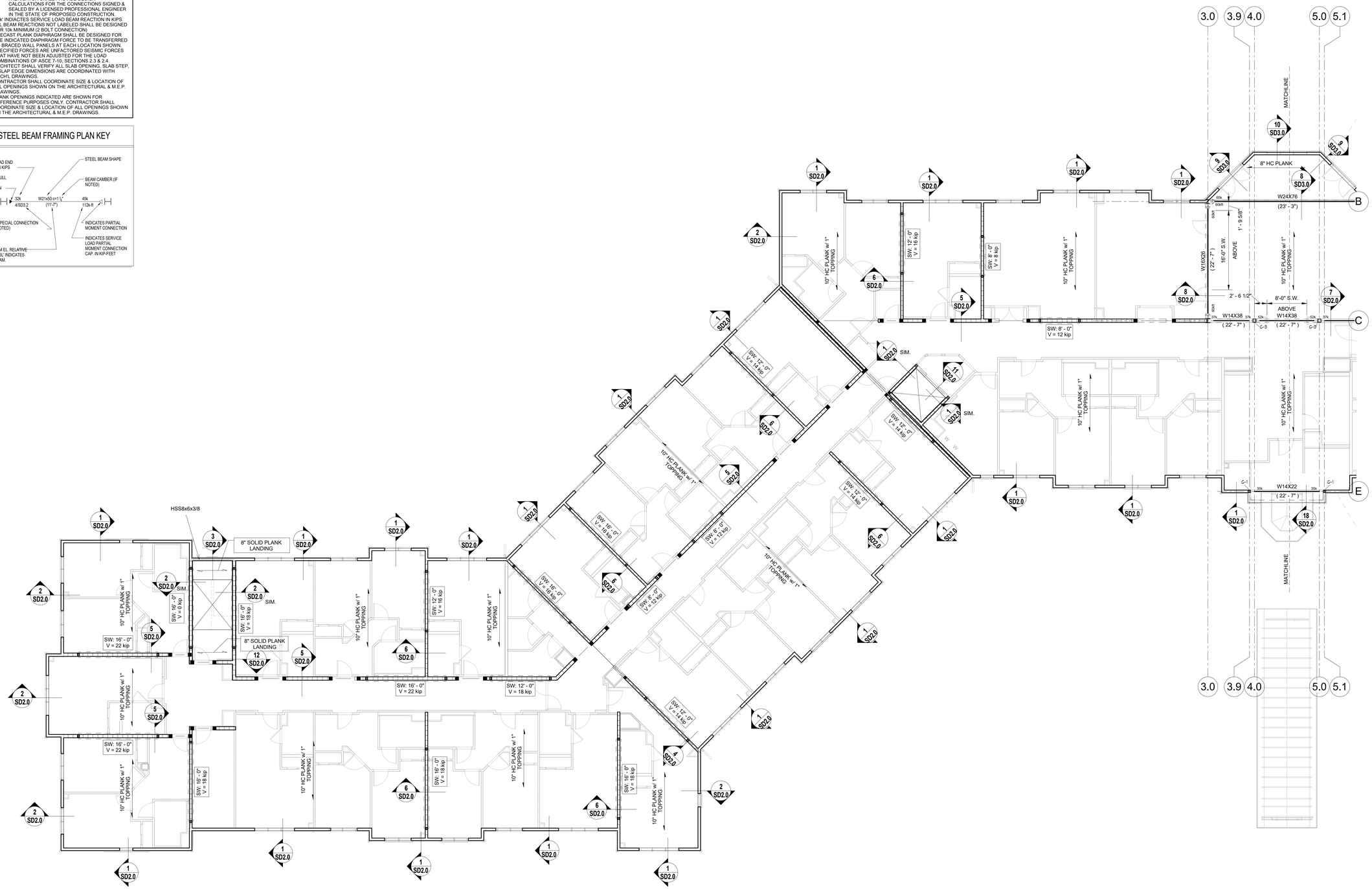

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THIRD FLOOR FRAMING PLAN

DRAWING No.
S4.0

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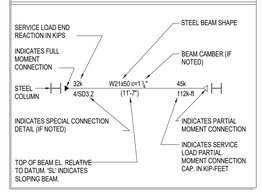
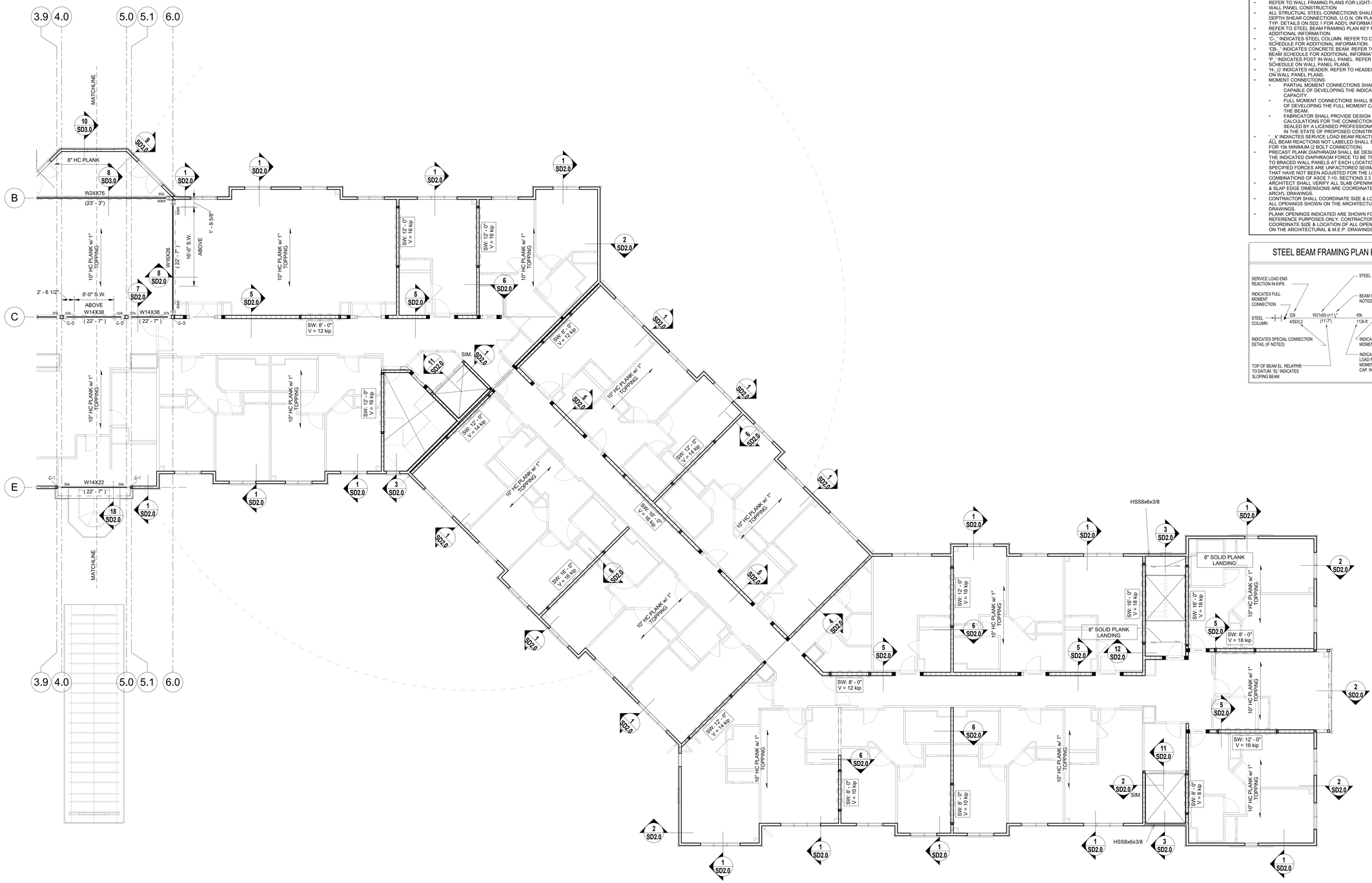
STEEL BEAM FRAMING PLAN KEY





1 3RD FLR FRMG PLAN - East
1/8" = 1'-0"

H 2 M architects + engineers

538 Broad Hollow Road, 4th Floor East
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300 Brookside Ave, Building 4 • Ambler, PA 19002
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MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
TRD	DTF	KSS	HLC

PROJECT No.:	DATE:	SCALE:
01E-16001	12/13/19	AS SHOWN

CLIENT

MONTEBELLO REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
250 LAFAYETTE AVENUE
(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS
REGULATORY REVIEW

SHEET TITLE
THIRD FLOOR FRAMING PLAN

DRAWING No.
S4.1

SHEET No.
/ OF

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FRAMING NOTES

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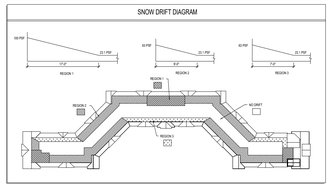
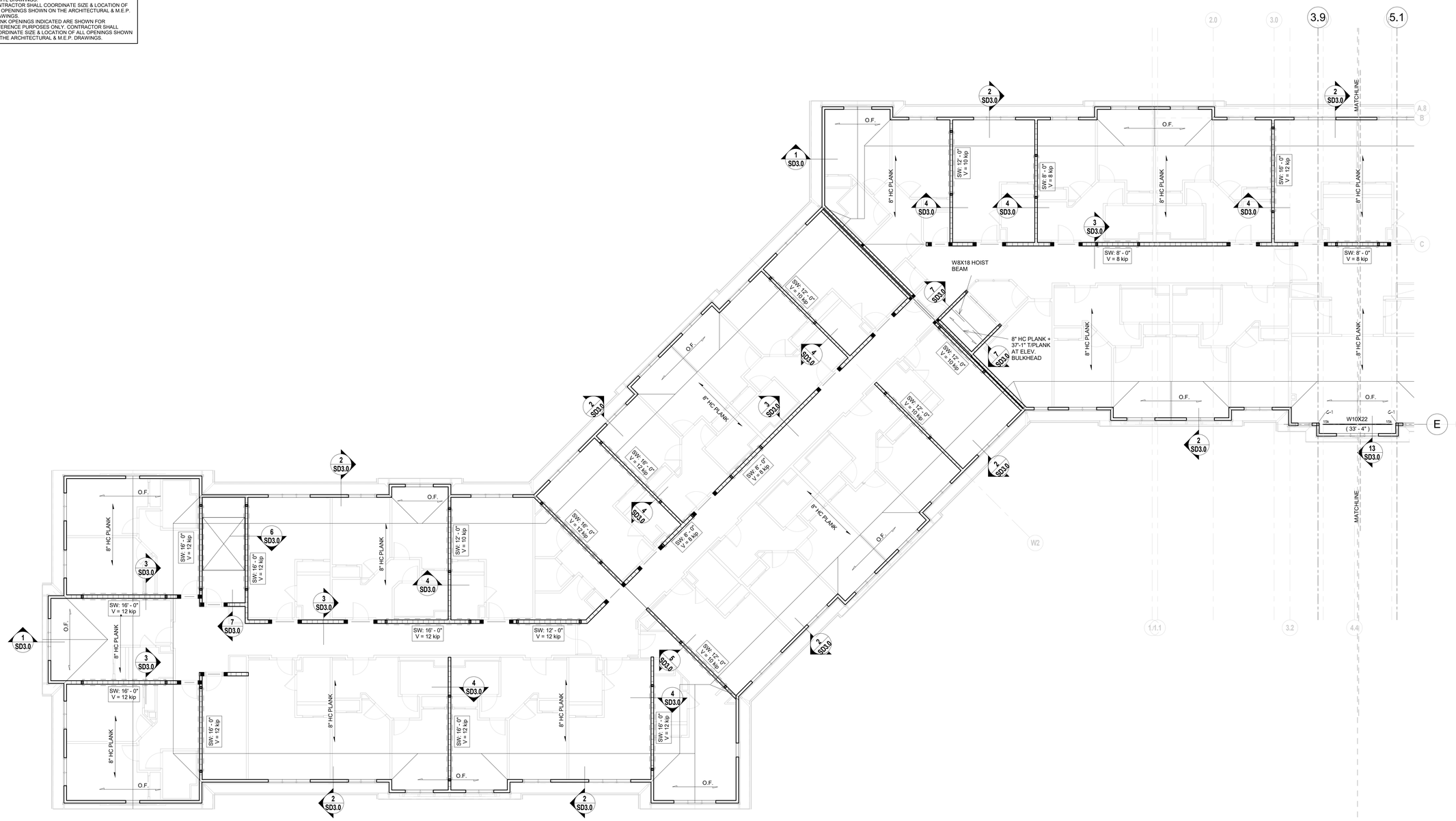
LEGEND

TYPE MARK	INDICATES SLAB TYPE OR OVERFRAMING DIRECTION
	INDICATES LIGHT GAGE BEARING WALL
	INDICATES LIGHT GAGE SHEAR WALL
	INDICATES BEARING OR SHEAR WALL ABOVE

SNOW DRIFT DIAGRAM





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

T.O. 8" PLANK = 34'-0"

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STATUS
REGULATORY REVIEW

SHEET TITLE
ROOF FRAMING PLAN

DRAWING No.	SHEET No.
S5.0	OF

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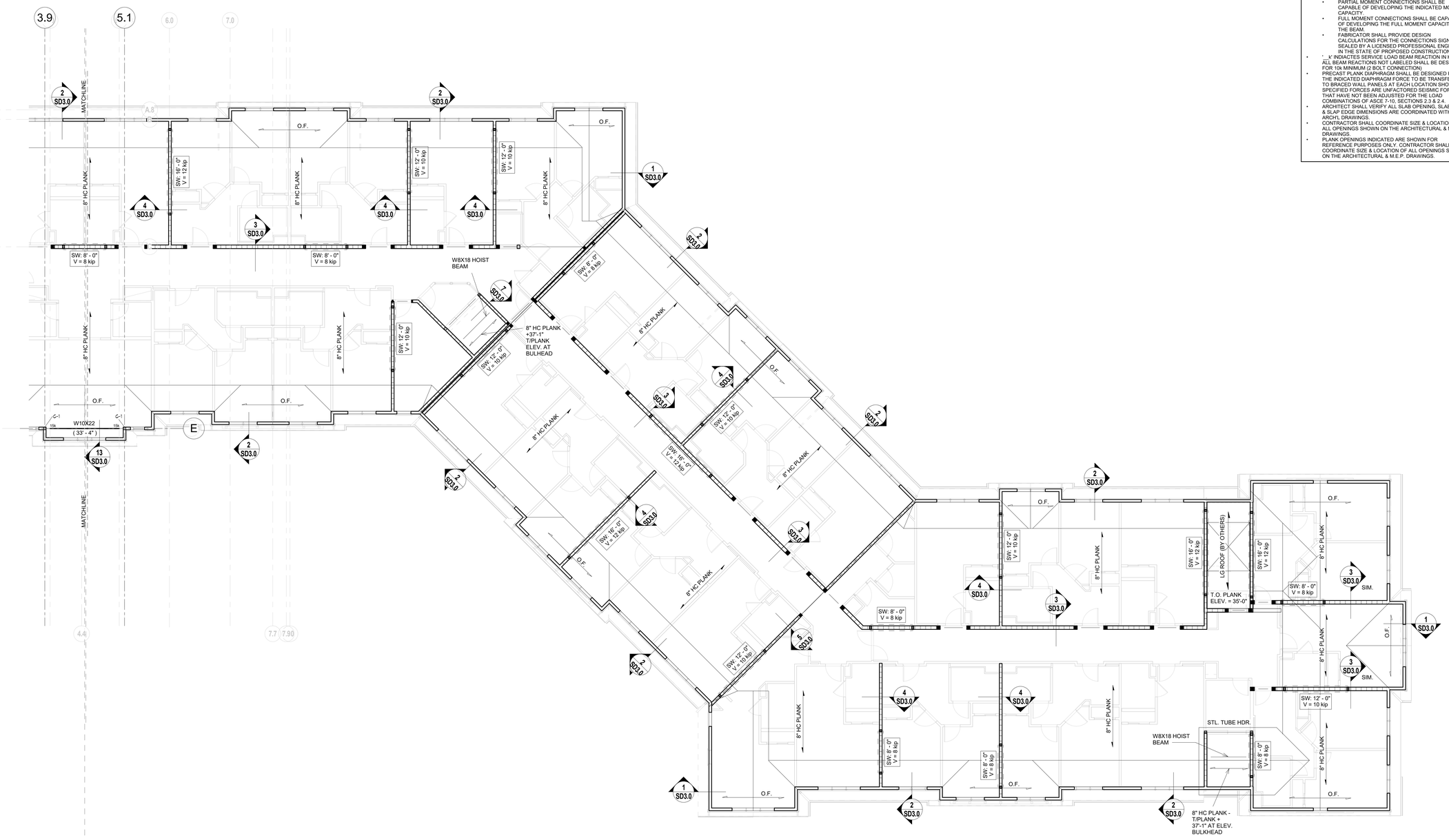

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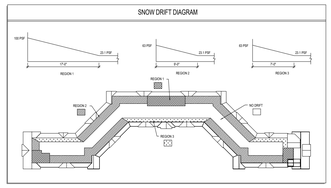

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(NYS ROUTE 59)
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NEW YORK

CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

ROOF FRAMING PLAN

DRAWING No.

S5.1

SHEET No.

OF

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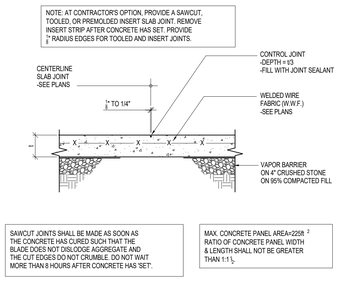
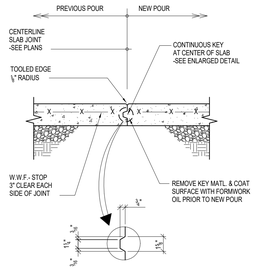
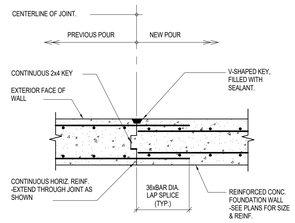


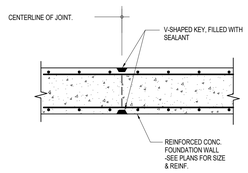
A TYPICAL DETAIL
CONC. SLAB CONTROL JOINT
SCALE: 3/4"=1'-0" LOCATE EVERY 15' o.c.



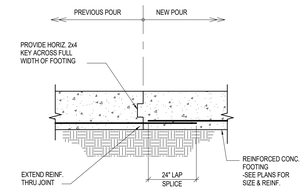
B TYPICAL DETAIL
CONC. SLAB CONSTRUCTION JOINT
SCALE: 3/4"=1'-0" LOCATE AS REQUIRED



C TYPICAL DETAIL
FND WALL CONSTRUCTION JOINT
SCALE: 3/4"=1'-0" LOCATE AS REQUIRED



D TYPICAL DETAIL
FND WALL CONTROL JOINT
SCALE: 3/4"=1'-0" LOCATE EVERY 25-30 FEET ALONG WALL



E TYPICAL DETAIL
CONT. FOOTING CONSTRUCTION JOINT
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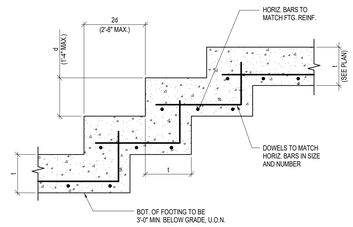
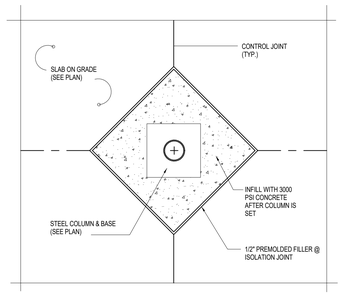
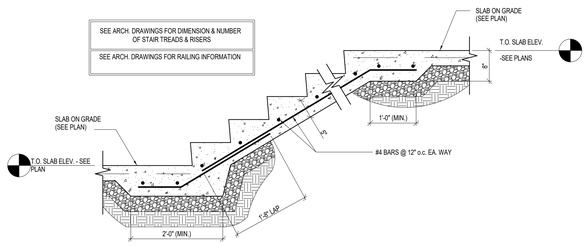


F TYPICAL
STEPPED FOOTING DETAIL
SCALE: 3/4"=1'-0"



G TYPICAL DETAIL
COLUMN ISOLATION JOINT
SCALE: N.T.S.



H CONCRETE STAIRS ON GRADE
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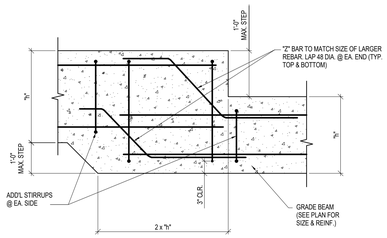

J TYP. GRADE BEAM STEP DOWN DETAIL
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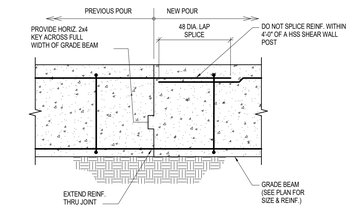

K TYPICAL DETAIL
CONT. GRADE BEAM CONSTRUCTION JOINT
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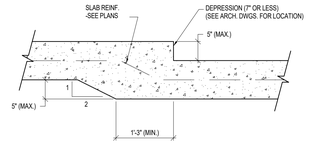

L SLAB DEPRESSION DETAIL
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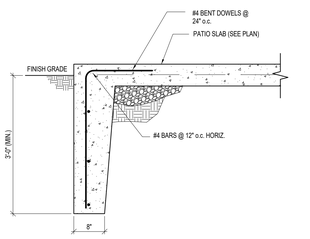

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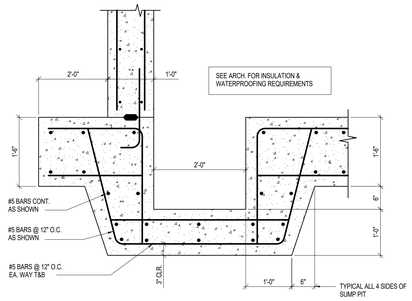

N TYPICAL DETAIL
SUMP PIT
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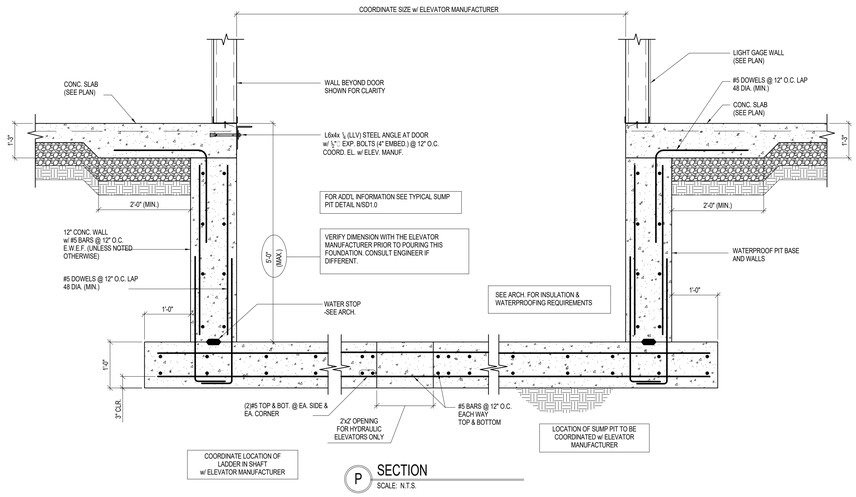
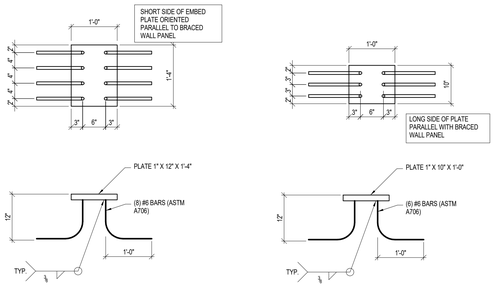
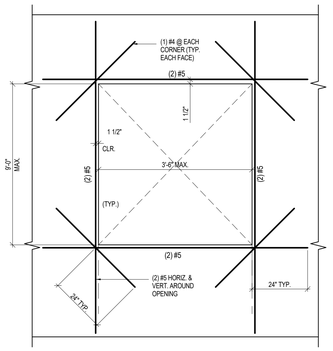


P SECTION
SCALE: N.T.S.



Q EMBED. PLATE EP-1
SCALE: 3/4"=1'-0"

R EMBED. PLATE EP-2
SCALE: 3/4"=1'-0"



S DETAIL @ CONCRETE WALL OPENING, U.N.O.
NOT TO SCALE

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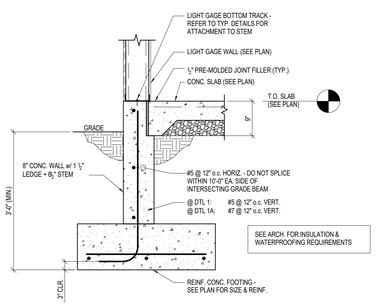

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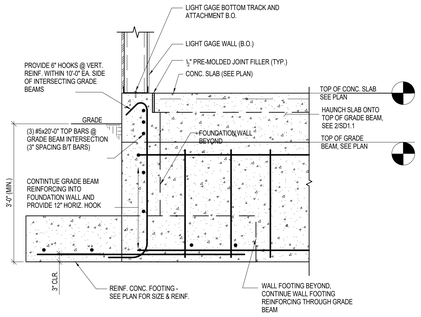

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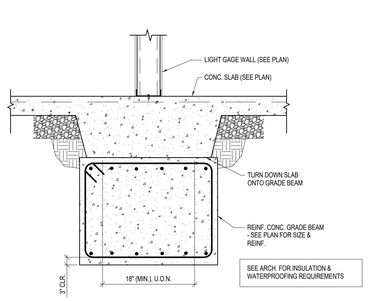

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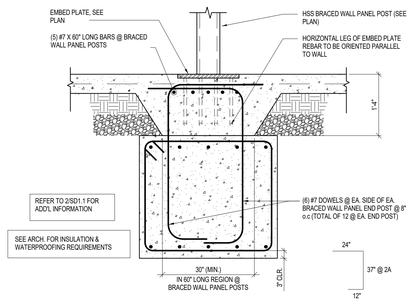

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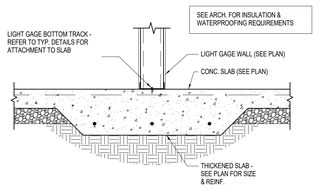
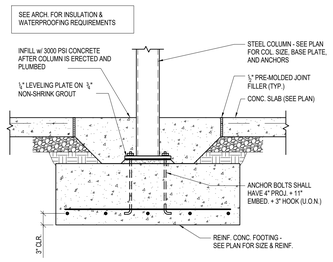
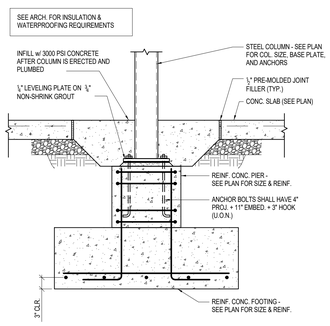


3 SECTION
SCALE: 3/4"=1'-0"

MARK	DATE	DESCRIPTION
	01/24/20	FINAL BID / PERMIT



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



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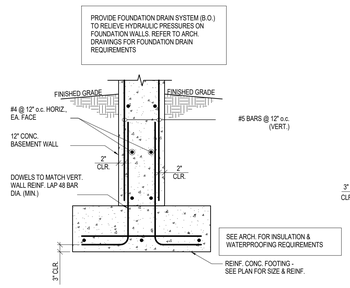

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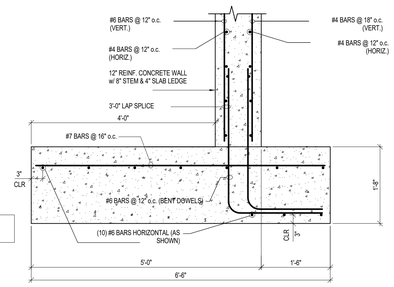

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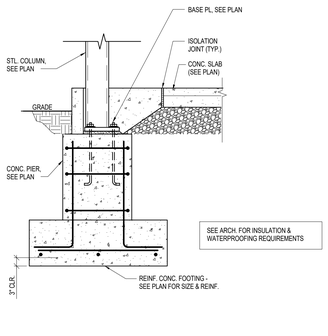

7 SECTION AT PERIMETER COLUMNS
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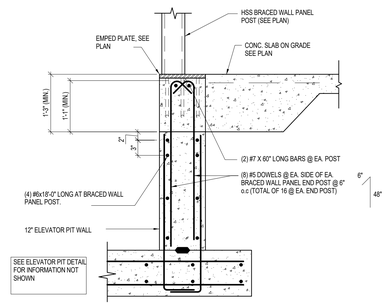

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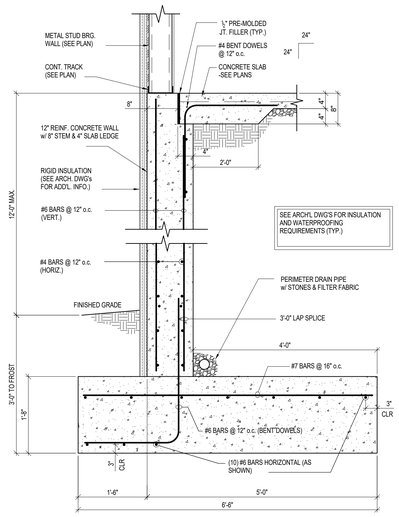

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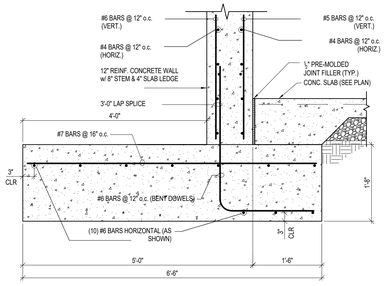

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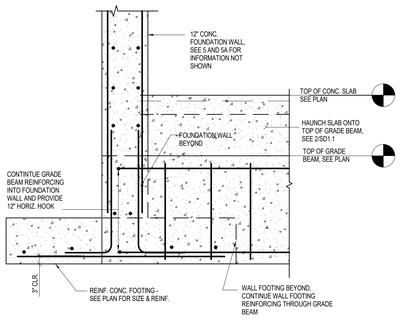

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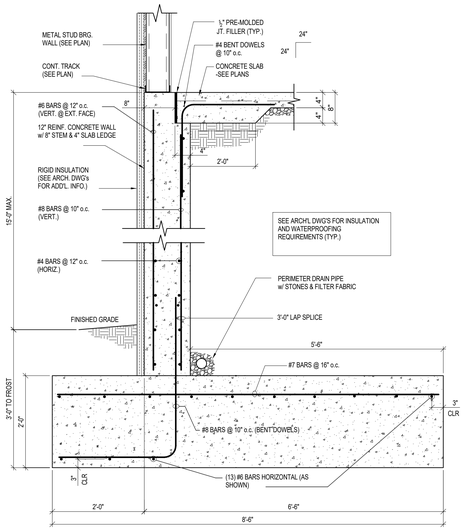

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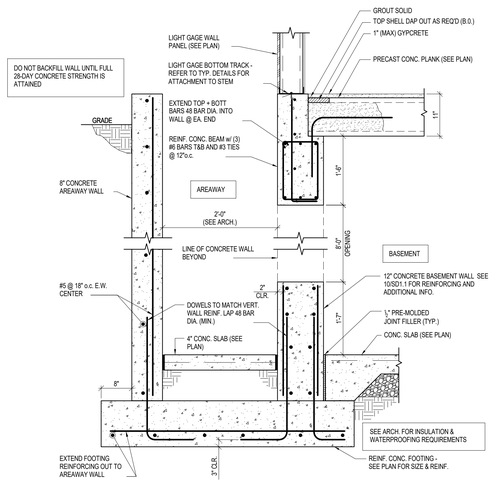

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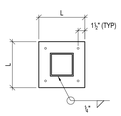
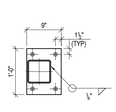


BASE PL: B-1



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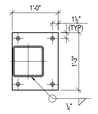

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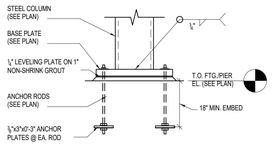

BASE PL: B-4

A TYPICAL BASE PLATE DETAILS
SCALE: 3/4"=1'-0"

H2M architects + engineers
538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:
MULHERN+KULP
RESIDENTIAL STRUCTURAL ENGINEERING
300 Brookside Ave, Building 4 • Ambler, PA 19002
p 215-646-8001 • mulhernkulp.com

DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
TRD	DTF	KSS	HLC

PROJECT No.:	DATE:	SCALE:
01E-16001	12/13/19	AS SHOWN

CLIENT
MONTEBELLO REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
250 LAFAYETTE AVENUE
(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS
REGULATORY REVIEW

SHEET TITLE
FOUNDATION DETAILS

DRAWING No.
SD1.1

SHEET No.
OF

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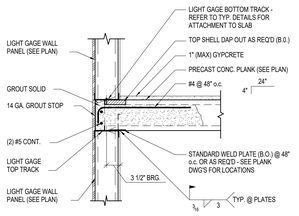

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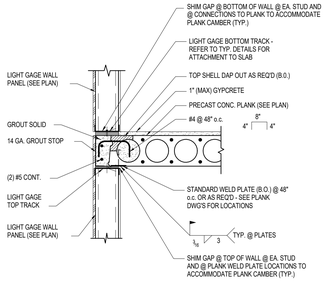

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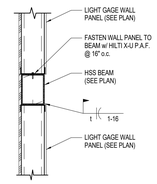

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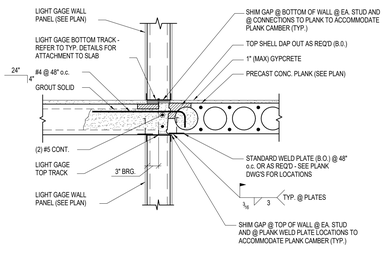

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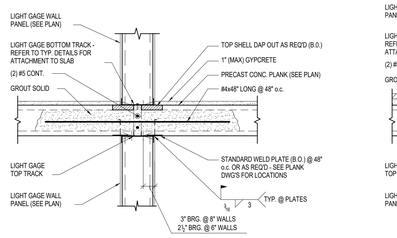

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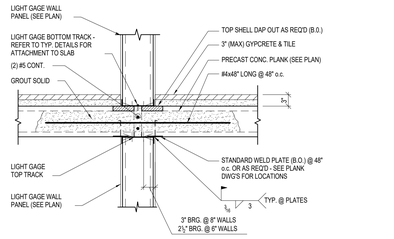

5a SECTION
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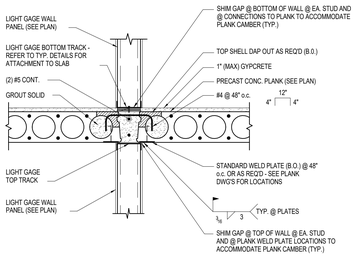

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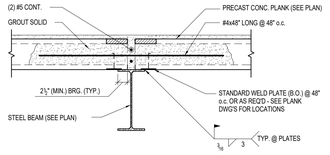

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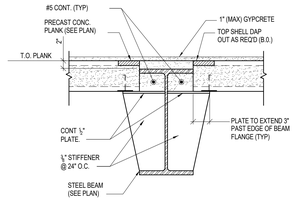

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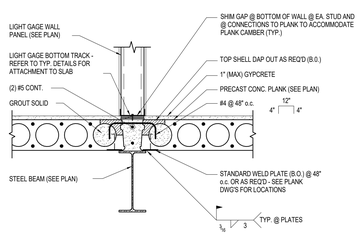

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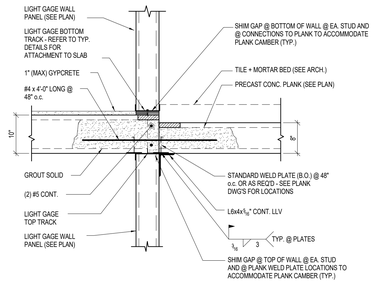

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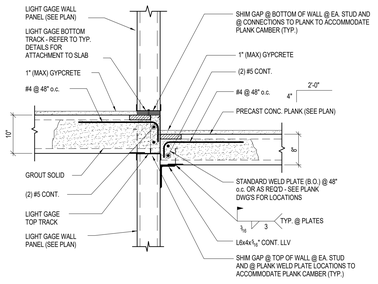

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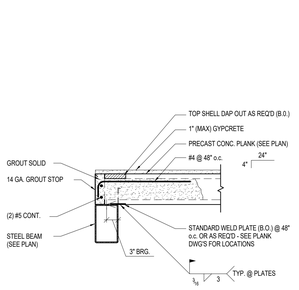

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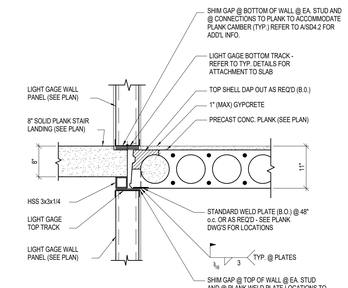

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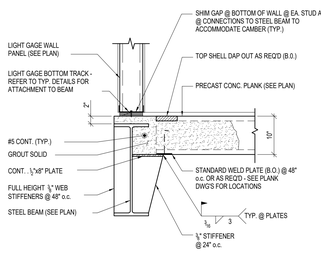
NOT USED



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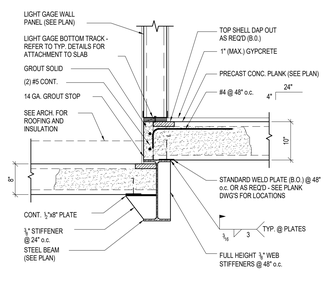

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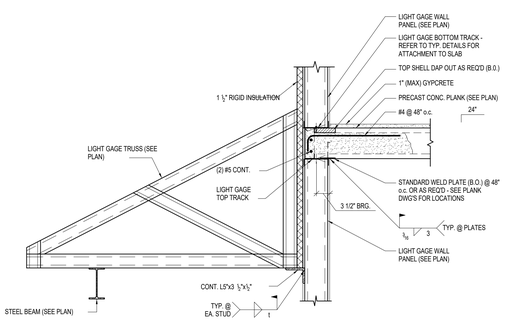

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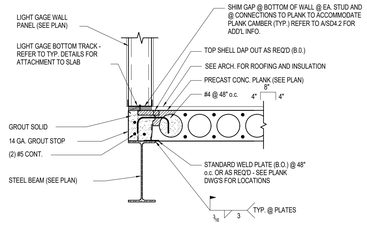

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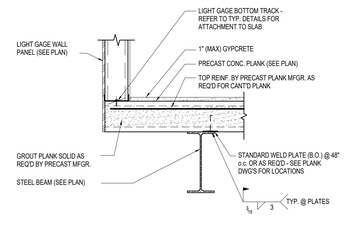

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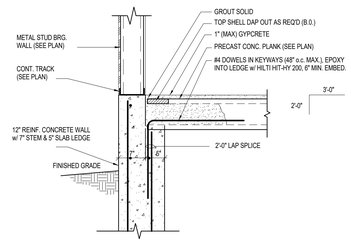

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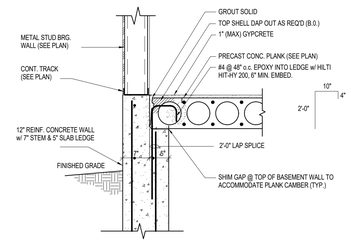

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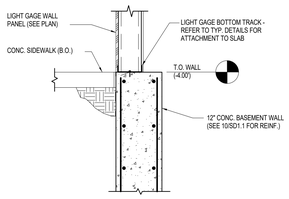

21 SECTION
SCALE: 3/4"=1'-0"

H 2 M architects + engineers

538 Broad Hollow Road, 4th Floor East
Melville, NY 11747
631.756.8000 • www.h2m.com

CONSULTANTS:

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RESIDENTIAL STRUCTURAL ENGINEERING
300 Brookside Ave, Building 4 • Ambler, PA 19002
p 215-646-8001 ▸ mulhernkulp.com

MARK	DATE	DESCRIPTION
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DESIGNED BY:	DRAWN BY:	CHECKED BY:	REVIEWED BY:
TRD	DTF	KSS	HLC

PROJECT No:	DATE:	SCALE:
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CONTRACT

STATUS

REGULATORY REVIEW

SHEET TITLE

FLOOR FRAMING DETAILS

DRAWING No.

SD2.0

SHEET No.

OF

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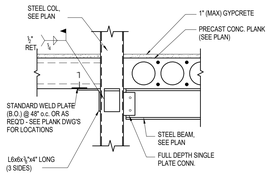

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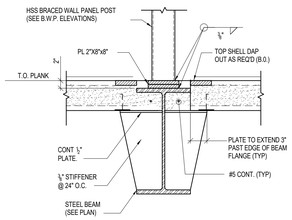

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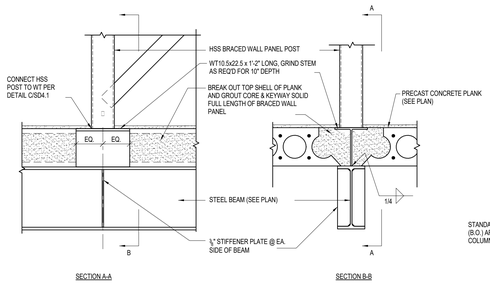

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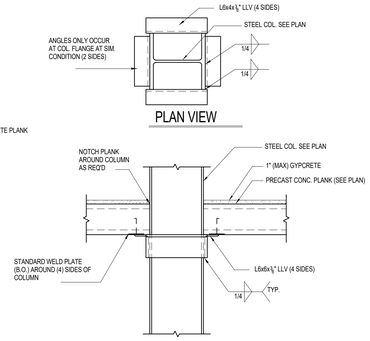

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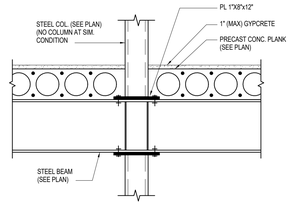

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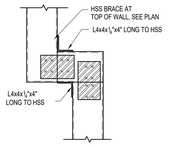

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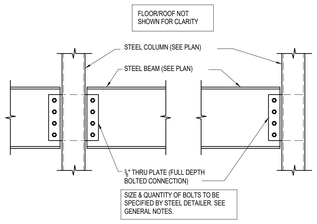
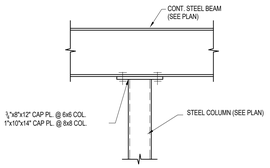


TYPICAL SHEAR CONNECTION DETAIL @ HSS
A SCALE: 3/4"=1'-0"



B CAP PL. DETAIL
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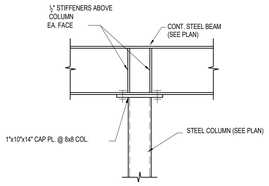
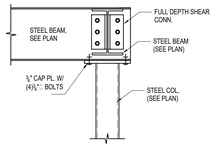
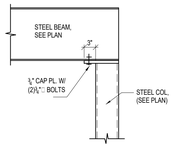


B.1 CAP PL. DETAIL
SCALE: 3/4"=1'-0"



C CAP PL. DETAIL
SCALE: 3/4"=1'-0"



D CAP PL. DETAIL
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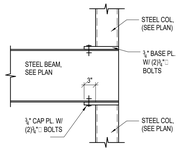

E CAP PL. DETAIL
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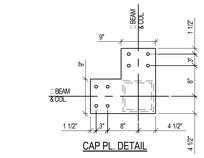
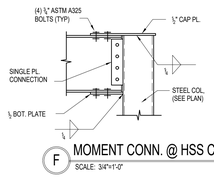


CAP PL. DETAIL



F MOMENT CONN. @ HSS COL.
SCALE: 3/4"=1'-0"

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TRD	DTF	KSS	HLC
PROJECT No: 01E-16001	DATE: 12/13/19	SCALE: AS SHOWN	

CLIENT
MONTEBELLO REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

MONTEBELLO CROSSING
250 LAFAYETTE AVENUE
(NYS ROUTE 59)
VILLAGE OF MONTEBELLO
NEW YORK

CONTRACT

STATUS
REGULATORY REVIEW

SHEET TITLE
FLOOR FRAMING DETAILS

DRAWING No.
SD2.1

SHEET No.
OF

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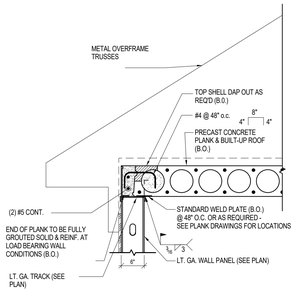

1 SECTION @ TRUSS
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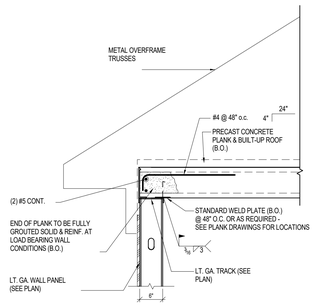

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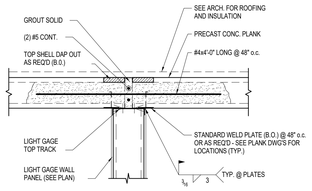

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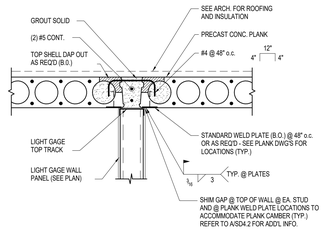

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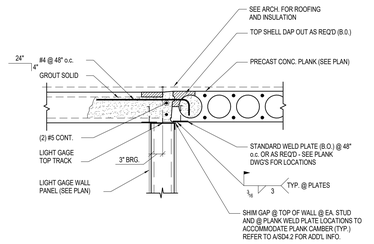

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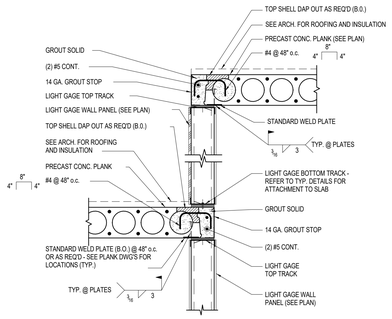

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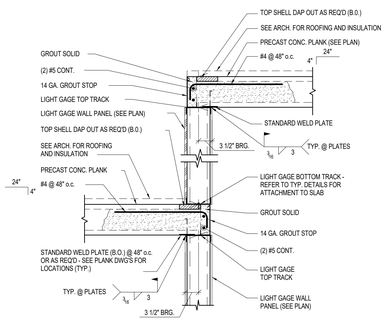

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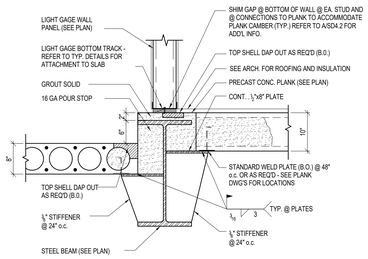

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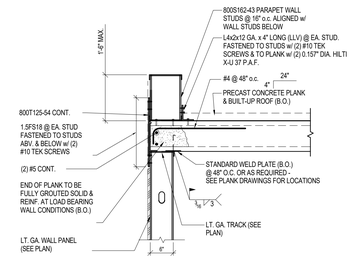

9 LOW PARAPET WALL SECTION
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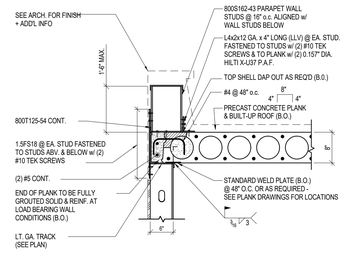

10 LOW PARAPET WALL SECTION
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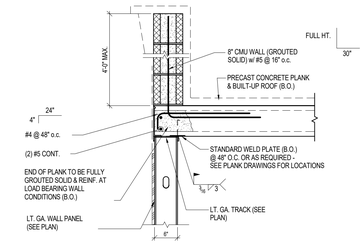

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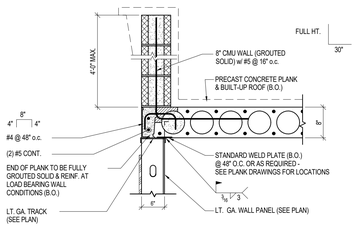
SCALE: 3/4"=1'-0"



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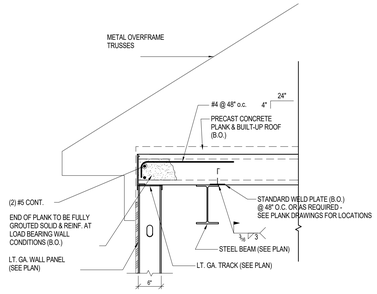

13 SECTION
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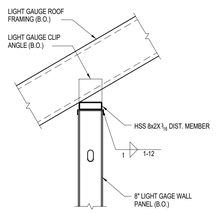

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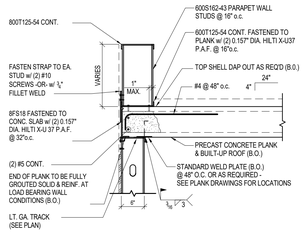

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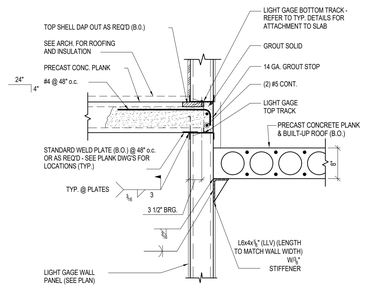
SCALE: 3/4"=1'-0"



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

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REGULATORY REVIEW

SHEET TITLE

ROOF FRAMING DETAILS

DRAWING No.

SD3.0

SHEET No.

OF

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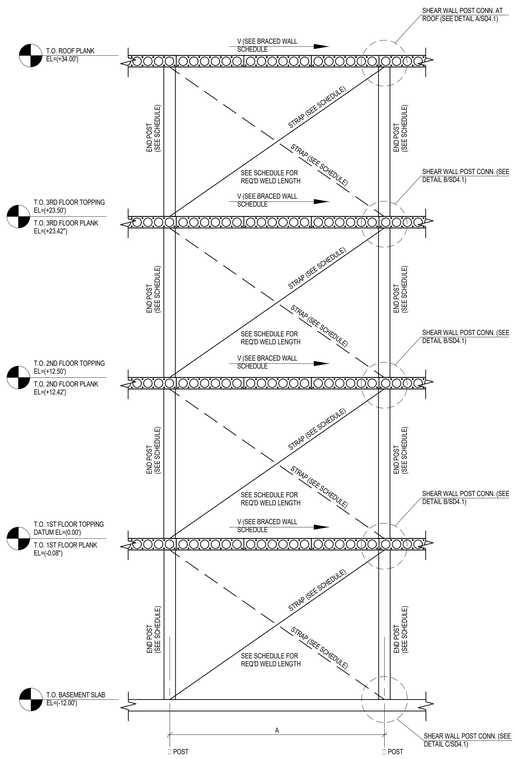

1 SINGLE BAY BRACED WALL PANEL

SCALE: N.T.S.

NOTES:
1. ( ) INDICATES NO. OF FLAT STRAPS IN EA. DIRECTION.
2. (1) MAX. PER SIDE IN EA. DIRECTION.
3. FLAT STRAP BRACING TO BE 50 KSI STEEL.
4. ALL DIMENSIONS NEED TO BE VERIFIED BY CONTRACTOR.
5. WALL STUDS NOT SHOWN FOR CLARITY. (TYP.)
6. REFER TO SHEET SD4.0 FOR BRACED WALL PANEL SCHEDULE.

Shearwall Schedule		
Level	SW Post Size	SW Strap Size
Basement Floor	HSS6X4X1/4	(2)10FS12
Basement Floor	HSS8X4X1/4	(2)10FS12
First Floor	HSS6X4X1/4	(2)10FS12
First Floor	HSS8X4X1/4	(2)10FS12
Second Floor	HSS6X4X1/4	(2)8FS12
Second Floor	HSS8X4X1/4	(2)8FS12
Third Floor	HSS6X4X1/4	(2)8FS14
Third Floor	HSS8X4X1/4	(2)8FS14

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SHEET TITLE
BRACED WALL PANEL ELEVATIONS

DRAWING No. **SD4.0**

SHEET No. OF

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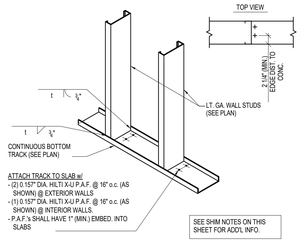
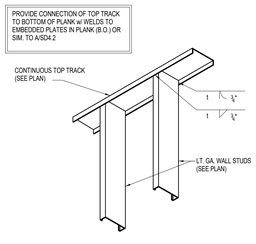
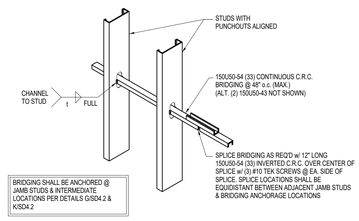
SHIM NOTES:
- PROVIDE SHIMS UNDER BOTTOM TRACK OF WALL PANELS AT STUDS & CONNECTIONS TO SLAB TO PROVIDE FULL BEARING ON SLAB.
- SHIMS SHALL BE KOROLATH PLASTIC SHIMS OR APPROVED EQUAL.
- PROVIDE STEEL SHIMS AT LOCATIONS WHERE WELDING IS REQUIRED.
- FOR SHIM THICKNESS UP TO ½", UTILIZE SPECIFIED P.A.F. CONNECTIONS TO SLAB.
- FOR SHIM THICKNESS BETWEEN ½" & 1", PROVIDE ¼" TAPCONS OR HILTI HLC ANCHORS IN LIEU OF P.A.F. CONNECTIONS.



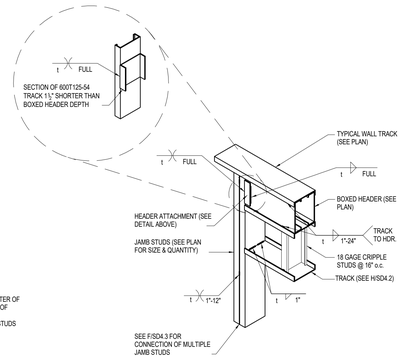
A TYPICAL BOTTOM TRACK CONSTRUCTION
SCALE: N.T.S.



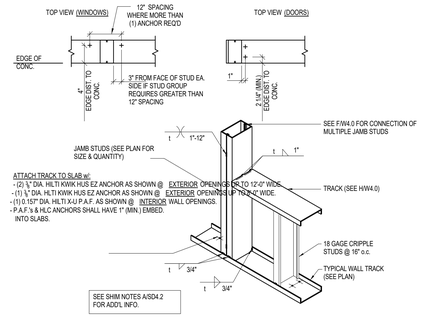
B TYPICAL TOP TRACK CONSTRUCTION
SCALE: N.T.S.



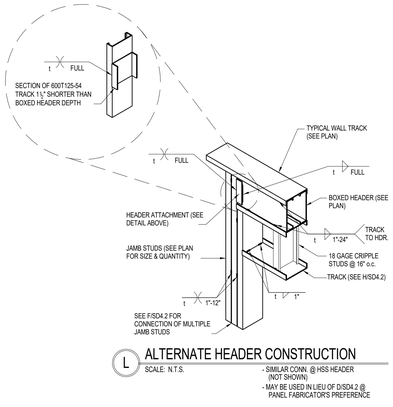
C TYPICAL WALL BRIDGING CONSTRUCTION @ 6" WALLS
SCALE: N.T.S.



D TYPICAL HEADER CONSTRUCTION
SCALE: N.T.S.
SIMILAR CONN. @ HSS JAMB POSTS (NOT SHOWN)



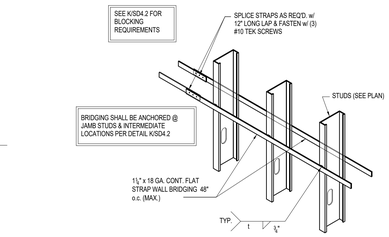
E TYPICAL JAMB SILL CONSTRUCTION
SCALE: N.T.S.



F TYPICAL BUILT-UP STUDS/JAMB/POST DETAIL
SCALE: N.T.S.
SIMILAR @ TOP TRACK

G TYPICAL BRIDGING ANCHORAGE DETAIL
SCALE: N.T.S.
SIMILAR @ TOP TRACK

H TYPICAL SILL-HEAD TRACK DETAIL
SCALE: N.T.S.



J TYPICAL WALL BRIDGING CONSTRUCTION @ 8" WALLS
SCALE: N.T.S.

K TYPICAL BRIDGING ANCHORAGE @ 8" WALLS
SCALE: N.T.S.
SIMILAR @ TOP TRACK

L ALTERNATE HEADER CONSTRUCTION
SCALE: N.T.S.
- SIMILAR CONN. @ HSS HEADER (NOT SHOWN)
- MAY BE USED IN LIEU OF D/SD4.2 @ PANEL FABRICATOR'S PREFERENCE

M TYPICAL LOUVER OPENING FRAMING ELEVATION
SCALE: N.T.S.
EXTERIOR WALLS

N ALTERNATE FIELD HEADER CONSTRUCTION
SCALE: N.T.S.
ALTERNATE TO L/SD4.2 & D/SD4.2

P TYPICAL RAIL GUIDE BEAM DETAIL
SCALE: N.T.S.

Q HSS FIELD HEADER TO STEEL POST
SCALE: 3/4"=1'-0"

R HEADER TO STEEL POST
SCALE: 3/4"=1'-0"
W/ SEAT ANGLE

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SHEET TITLE
TYPICAL LIGHT GAGE DETAILS

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OF

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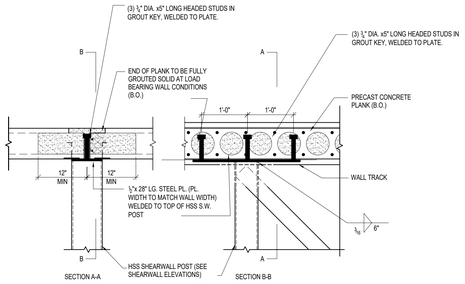
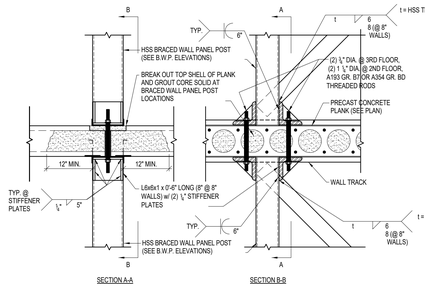


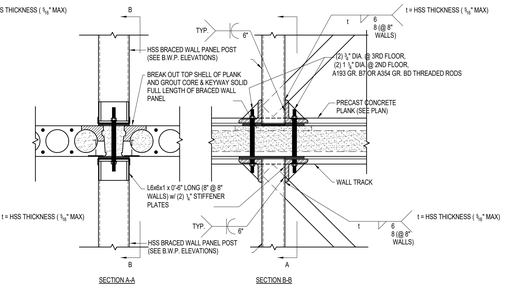
A BRACED WALL PANEL POST DETAIL @ ROOF

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

VERIFICATION OF PLANK CAPACITY, FOR DESIGN LOADS SHOWN ON ELEVATIONS, IS THE RESPONSIBILITY OF OTHERS.



INTERIOR BEARING WALL

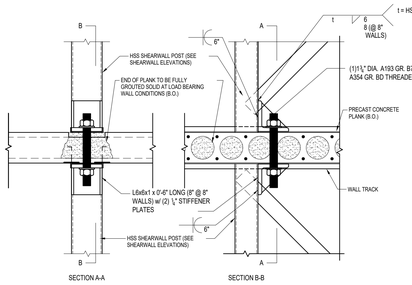


INTERIOR NON-BEARING WALL

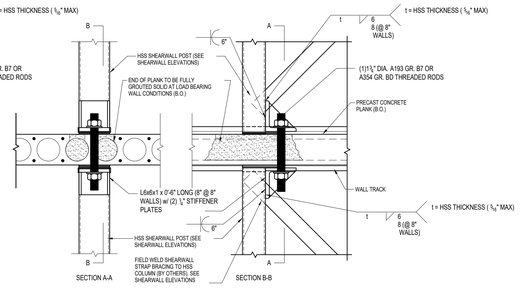
B BRACED WALL PANEL POST DETAIL

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

- REFER TO D.1' & 'E' FOR ADD'L INFO.
- TYP. @ POSTS ALIGNING BETWEEN FLOORS



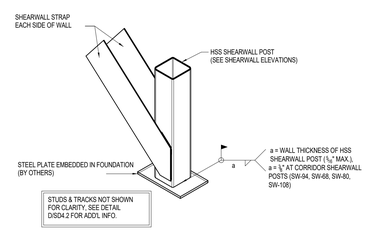
INTERIOR BEARING WALL



INTERIOR BEARING WALL

B.1 BRACED WALL PANEL POST DETAIL

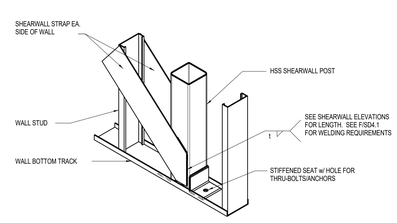
SCALE: 3/4"=1'-0" SINGLE SIDED CONNECTION ADJACENT TO DOORS



C BRACED WALL PANEL TYPICAL POST BASE DETAIL @ FOUNDATION

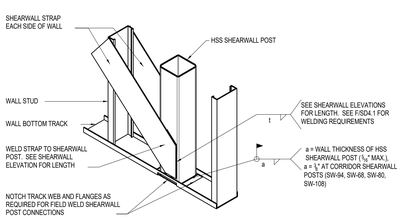
SCALE: N.T.S.

- SHEARWALL POSTS AT EMBEDDED PLATES
- REFER TO 'D.2' FOR ADD'L INFO



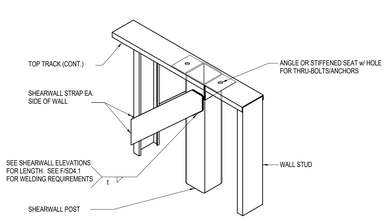
D.1 BRACED WALL PANEL TYPICAL POST BASE CONSTRUCTION

SCALE: N.T.S.



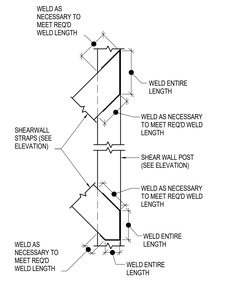
D.2 BRACED WALL PANEL TYPICAL POST BASE CONSTRUCTION

SCALE: N.T.S.



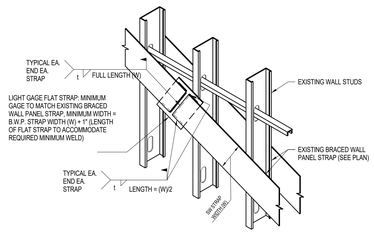
E BRACED WALL PANEL TYPICAL POST TOP CONSTRUCTION

SCALE: N.T.S.



F BRACED WALL PANEL TYPICAL STRAP WELDING

SCALE: N.T.S.



G BRACED WALL PANEL TYPICAL STRAP SPLICE DETAIL

SCALE: N.T.S.

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REGULATORY REVIEW

SHEET TITLE

BRACED WALL PANEL DETAILS

DRAWING No.

SD5.0

SHEET No.

OF

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