GENERAL NOTES & SPECIFICATIONS

BRAEMAR AT MONTEBELLO ASSISTED LIVING FACILITY ROCKLAND COUNTY, NEW YORK

\$ @	AND	KSI	KIPS PER SQUARE INCH
	AT	L	ANGLE
.B.	ANCHOR BOLT	LBS.	POUNDS
F.F. NCH.	ABOVE FINISHED FLOOR ANCHOR	L.L.B.B. L.L.H.	LONG LEGS BACK-TO-BACK LONG LEG HORIZONTAL
PPD.	APPROVED	L.L.V.	LONG LEG VERTICAL
PROX.	APPROXIMATELY	LONG.	LONGITUDINAL
RCH.	ARCHITECT	LT.	LIGHT
B. F.	BACK-T <i>O-</i> BACK BALL <i>OO</i> N-FRAMED	LVL MANUF.	LAMINATED VENEER LUMBER MANUFACTURER
ı . L.	BRICK LEDGE	MAX.	MAXIMUM
DG.	BUILDING	MC	MISCELLANEOUS CHANNEL
_KG.	BLOCKING	MECH.	MECHANICAL
M.	BEAM BOTTOM OF CONCRETE	MIN. #	MINIMUM
.O.C. .O.F.	BOTTOM OF CONCRETE BOTTOM OF FOOTING	# N.	NUMBER OF POUNDS <u>OR</u> REBAR SIZE DESIGNATION NORTH
.O.5.	BOTTOM OF SLAB	N.B.L.	NON-BEARING LINTEL
OT.	ВОТТОМ	N.S.	NEAR SIDE
.O.M.	BOTTOM OF WALL	N-5	NORTH-SOUTH
RG. RIDG.	BEARING BRIDGING	NOM. N.T.S.	NOMINAL NOT TO SCALE
NDG. .S.	BOTH SIDES	0.C.	ON CENTER
SMT.	BASEMENT	0.F.	OUTSIDE FACE
TMN.	BETWEEN	O.H.	OPPOSITE HAND <u>OR</u> OVERHEAD
.M.A.	BEARING WALL ABOVE	OPNG.	OPENING
.M.P.	BRACED WALL PANEL / SHEAR WALL CHANNEL SECTION	0PP. 0.5.B.	OPPOSITE ORIENTED STRAND BOARD
.C.	CENTER TO CENTER	P.A.	POST ABOVE
ANT'D	CANTILEVERED	P.C.	PRE-CAST
L	CENTER LINE	P.C.F.	POUNDS PER CUBIC FOOT
I.P.	CAST IN PLACE	P.C.M.P.	PRECAST WALL PANEL
J. LR.	CEILING JOISTS <u>OR</u> CONTROL JOINT CLEAR	P.E. PEN.	PROFESSIONAL ENGINEER PENETRATION
IK. MU	CONCRETE MASONRY UNIT	PEN. PERIM.	PERIMETER
NTR.	CENTER CENTER	PERP.	PERPENDICULAR
OL.	COLUMN	PIPE	PIPE COLUMN
ONC.	CONCRETE	PL	PLATE
ONN.	CONNECTION CONSTRUCTION	+/- PLF	PLUS OR MINUS POUNDS PER LINEAR FOOT
ONST. ONT.	CONTINUOUS	PRELIM.	PRELIMINARY
.W.P.	CONCRETE WALL PANEL	PSF	POUNDS PER SQUARE FOOT
BL.	DOUBLE	PSI	POUNDS PER SQUARE INCH
EPR.	DEPRESS <u>OR</u> DEPRESSION	PSL	PARALLEL STRAND LUMBER
ET.	DETAIL	P.T.	PRESSURE TREATED <u>OR</u> PRESERVATIVE TREATE
IA.	DIAMETER	P.W.	PLYMOOD
PIAG. PIM.	DIAGONAL DIMENSION	QTY. R.	QUANTITY REMAINING
0	DITTO	RAD.	RADIUS
MG.	DRAWING	R.C.	REINFORCED CONCRETE
ML.	DOMEL	RE	REFER TO
	EAST	RECT.	RECTANGULAR
A.	EACH END	REF.	REFERENCE
.E. .F.	EACH END EACH FACE	REINF. REQ.	REINFORGING REQUIRED
 .J.	EXPANSION JOINT	RND.	ROUND
L.	ELEVATION	R.R.	ROOF RAFTERS
LEV.	ELEVATOR	R.T.	ROOF TRUSSES
NG.	ENGINEER OF RECORD	5	STANDARD BEAM
.O.R. Q.	ENGINEER OF RECORD EQUAL	S. SCHED.	SOUTH SCHEDULE
.S.	EACH SIDE	SECT.	SECTION
XIST.	EXISTING	SF	STEP FOOTING
XP.	EXPANSION	S.G.E.T.	STRUCTURAL GABLE END TRUSS
XT.	EXTERIOR	SHT.	SHEET
.M.	EACH WAY	SIM.	SIMILAR
.M.E.F. .M.B.	EACH WAY, EACH FACE EACH WAY, BOTTOM	S.L.B.B. SP.	SHORT LEGS BACK-TO-BACK SPACE
.M.T.	EACH WAY, TOP	SPEC.	SPECIFICATION
-M	EAST-WEST	SPA.	SPACING
AB.	FABRICATION	SQ.	SQUARE
.F.E.	FINISH FLOOR ELEVATION	STD.	STANDARD
IN. .J.	FINISH FLOOR JOISTS	STAG. STIFF.	STAGGER <u>OR</u> STAGGERED STIFFENER
.J. LG.	FLANGE	STL.	STEEL
LO. LR.	FLOOR	STRP.	STIRRUP
ND.	FOUNDATION	STRUCT.	STRUCTURAL
	FAR SIDE	S.M.	SHEAR WALL
	FOOT	SYM.	SYMMETRICAL
Т.		Т	TOP
T. .A.	FLOOR TRUSSES	T # D	ICH AND HOLLOW
T. .A. TG.	FLOOR TRUSSES FOOTING	T & B TEMP.	TOP AND BOTTOM TEMPORARY
T. ,A. TG. •A.	FLOOR TRUSSES	T & B TEMP. T & G	TOP AND BOTTOM TEMPORARY TONGUE AND GROOVE
T. A. TG. A. ALV. .L.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM	TEMP. T & G T.O.B.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM
T. ,A. TG. A. ALV. ,L.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE	TEMP. T & G T.O.B. T.O.C.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE
T. .A. TG. A. ALV. .L. R.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM	TEMP. T & G T.O.B. T.O.C. T.O.F.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING
T. T.G. A. ALV. .L. RB. .C.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL
T. A. TG. A. ALV. L. R. B. C. T.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.H.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING
Г. А. Г. А. ALV. .L. R. .B. .C. .T. .M.B.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL
Г. А. Г. А. А. А. L. R. B. .C. T. IM.B. YP.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.N. T.O.N.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS
T. A. TG. A. L. R. B. C. T. IMB. PF. DR.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL
T. A. TG. A. L. R. B. C. T. IMP. EF. DR. I.F.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE
T. A. TG. A. ALV. AL. R. B. C. TT. YP. EF. NGR.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES
T. A. TG. A. ALV. ALL A. ALV. ALL A. ALV. ALL A. AL AL A. AL	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE
T. A. TG. ALV. L. R. B. C. T. MP. ER. NGR. ORF. ORF.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. VERT.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL
T. A. TG. ALV. ALL. R. B. C. T. B. J.F. P. F. P. O. O. S.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE
T. A. TG. A. L. R. B. C. T. B. YP. F. NG. OOR SST.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. VERT. V.I.F.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD
T. A. TG. A. LL. R. B. C. T. B. YP. F. R. F. IV. OPF. ING. F. IV. S. T. A. C. T.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOM STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. V.E.F. V.O.F. W. W/	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE
T. A. FG. ALV. L. R. B. C. T. B. P. F.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. V.E.F. V.O.F. W. W/O, W.O.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT
Г.A.G.A.L.R.B.C.T.B.P.F.R.F.IZ.G.F.G.C.T.A.C.T.T.B.T.F.R.F.IZ.G.T.A.C.T.T.B.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T.T	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT INTERIOR	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. V.E.F. V.O.F. W. W/O, W.O. WD.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT WOOD
T. A. T.G. A. L. A. A. A. L. A.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT INTERIOR JACK STUD	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. V.E.F. V.O.F. W. W/O, W.O. WD. WF	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT WOOD WIDE FLANGE SECTION
T. A. T.G. A. A.L. R. B. C. T. M.P. F. R. B. C. T. M.Y. P. F. R. F. F. Z. S. T. V. P. S. T. V. F. J. I.T. S. S. T. V. F. S. T. S. S. T. V. F. S. S. T. S. S. T. V. F. S. S. T. V. F. S. S. T. V. F. S. S. T. S. S. T. S.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT INTERIOR JACK STUD JOIST	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. VERT. V.I.F. W. W/O, W.O. WD. WF W.P.	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT WOOD WIDE FLANGE SECTION WATERPROOF
T. A. T.G. A.L. R. B. C. T. M.Y.P. F. R. B. C. T. M.Y.P. F. R. F. R. S. T. V. F. J. I.T. S. S.T. T. S.T. S.T	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT INTERIOR JACK STUD	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. V.E.F. V.O.F. W. W/O, W.O. WD. WF	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT WOOD WIDE FLANGE SECTION
F.S. FT.A. F.A. F.A. F.A. F.A. F.A. F.A. F.	FLOOR TRUSSES FOOTING GAGE GALVANIZED GLU-LAM GRADE GRADE BEAM GENERAL CONTRACTOR GIRDER TRUSS GYPSUM WALL BOARD GYPSUM HORIZONTAL, EACH FACE HEADER HORIZONTAL, INSIDE FACE HANGER HORIZONTAL, OUTSIDE FACE HORIZONTAL HOLLOW STRUCTURAL SECTION HEIGHT HEATING, VENTILATION, & AIR CONDITIONING INSIDE FACE ISOLATION JOINT INTERIOR JACK STUD JOIST JOINT	TEMP. T & G T.O.B. T.O.C. T.O.F. T.O.S. T.O.W. TR. T.S. TRANS. TYP. U.N.O. VAR. V.E.F. VERT. V.I.F. W. W/O, W.O. WD. WF W.P. WT	TEMPORARY TONGUE AND GROOVE TOP OF BEAM TOP OF CONCRETE TOP OF FOOTING TOP OF STEEL TOP OF WALL TRUSS STRUCTURAL TUBE TRANSVERSE TYPICAL UNLESS NOTED OTHERWISE VARIES VERTICAL, EACH FACE VERTICAL, INSIDE FACE OR VERIFY IN FIELD VERTICAL, OUTSIDE FACE WEST WITH WITHOUT WOOD WIDE FLANGE SECTION WATERPROOF WIDE FLANGE T SECTION

DOUBLE-EXTRA STRONG (PIPE COLUMN)

KIPS PER SQUARE FOOT

	RNING CODE: <u>2020 NEW YORK STA</u>	TE BUILDI	NG CODE (REFERRED TO HEREAFTER AS IBC.)
A. <u>COI</u>	N LOADS, PSF: DE MINIMUM DESIGN LOADS K CATEGORY: III		
ROOF:	:		
	SEE PLAN FOR MECH. UNITS, DRIFTS A LOADS.	ND SPEC	AL CONDITIONS IN ADDITION TO MINIMUM DESIG
SNOM:	I. GROUND SNOW (Ps):	30 PSF	,
	II. FLAT ROOF SNOW (P_F): III. SNOW EXPOSURE FACTOR (C_E): IV. SNOW IMPORTANCE FACTOR (I_S): V. THERMAL FACTOR (C_T):	1. <i>0</i> 1.1	PF=0.7 C _E C _T I _S P _G (23 PSF MIN.)
DAIN.			
RAIN:	I. RAIN LOAD (R): II. AVG. STANDING HEAD (D5):	2.5 IN.	20 PSF
	III. MAX. HYDRAULIC HEAD (DH): VALUES ARE BASED ON ROOF OVERF	1.0 IN. FLOW DRA	NNS & SCUPPERS SIZED AND SPACED FOR MAX ERN & KULP IF HYDRAULIC HEADS ARE GREATE
MIND:			
	I. SPEED (MPH): II. WIND IMPORTANCE FACTOR (I_W): III. EXPOSURE CATEGORY:	122 1. <i>0</i> B	
SEISMI	C: I. SEISMIC IMPORTANCE FACTOR (I _E):	1.25	
	II. MAPPED SPECTRAL RESPONSE: III. SITE CLASS:	1.25 C	5 ₅ : 0.282 5 ₁ : 0061
	IV. SPECTRAL RESPONSE COEFF.:	В	Sps: 0.25 Sp1:061
	V. SEISMIC DESIGN CATEGORY: VI. BASIC SEISMIC-FORCE-RESISTING S	_	INTERMEDIATE REINFORCED MASONRY WALLS
	VII. DESIGN BASE SHEAR: VIII. SEISMIC RESPONSE COEFF. (C5):	0.075	1047 KIPS
	IX. RESPONSE MOD. FACTOR (R): X. ANALYSIS PROCEDURE USED:	EQUIVA	3.0 LENT LATERAL F <i>O</i> RCE
	R. TO IBC, CHAPTER 35 FOR APPLICABLE S OTHERWISE NOTED.	E VERSION	OF ALL CODES REFERENCED HEREAFTER,
ALL D CONFO LAYING ARCHI CHECK	IMENSIONS SHOWN ON THE STRUCTURAL DRM TO THOSE SHOWN ON THE ARCHITE S OUT COLUMN CENTERS AND WALL LINE TECTURAL DRAWINGS AND EXISTING COI IED AND BE CLOSED BEFORE WORK IS	ECTURAL I ES, ALL D NDITIONS COMMEN	IS SHALL BE VERIFIED BY THE CONTRACTOR TO PRAWINGS. IF STRUCTURAL DRAWINGS ARE USE IMENSIONS SHALL FIRST BE VERIFIED WITH THE SURVEY LAYOUT FOR THE BUILDING SHALL BECT. ATED BY THE DRAWINGS OR SPECIFICATIONS A
IN AGF INDICA	REEMENT WITH THESE NOTES, THE BETTE TED, SPECIFIED OR NOTED SHALL BE P	R QUALIT ROVIDED	Y AND/OR GREATER QUANTITY, STRENGTH OR '.
SHOW	N AT CORRESPONDING PLACES SHALL E	BE PROVI	BUT REASONABLY IMPLIED TO BE SIMILAR TO T DED BY THE CONTRACTOR AT NO ADDITIONAL SEELEIED, BUT NECESSARY FOR A PROPER A
COMP	LETE INSTALLATION SHALL BE INCLUDED	D AS REQI	
SHALL TERRA	COORDINATE LOCATION OF ALL STRUC ZZO FINISHES WITH ARCHITECTURAL DR	STURAL EL	TERMINE THE EXTENT OF WORK. THE CONTRAC LEMENTS, SLAB ON METAL DECK, DEPRESSION ND RESOLVE ALL CONFLICTS PRIOR TO
THE ST	SIONS. IF THERE IS A DISCREPANCY BET	WEEN DR	ICTION WITH ARCHITECTURAL DRAWINGS FOR A AWINGS, IT IS THE CONTRACTOR'S RESPONSIBI
MISCE		TEEL BLO	ORK. CKING, FRAMING MEMBERS, ANCHORS, FASTEI NOT SPECIFICALLY INDICATED ON DRAWINGS.
SECTION GENER	ONS AND DETAILS SHOWN, WHILE DRAWN RAL TYPES OF DETAILS TO BE USED THR R THAN THOSE SHOWN ON THE DRAWING:	N FOR SPI ROUGHOU' S, SUCH D	ECIFIC LOCATIONS, ARE INTENDED TO ESTABLI T. IF THE CONTRACTOR WISHES TO USE DETAIL PETAILS SHALL BE SUBMITTED FOR APPROVAL
ALL M		MITH LOC	E COMMENCED. AL APPLICABLE CODES AND REGULATIONS. IND OSHA REQUIREMENTS SHALL BE PROVIDEI
THE CO	ONTRACTOR SHALL BE HELD RESPONSI LF WITH ALL EXISTING CONDITIONS. ANY	BLE FOR CQUESTIO	NAD OSHA REQUIREMENTS SHALL BE PROVIDED HAVING VISITED THE SITE AND HAVING FAMILIA NS OR DISCREPANCIES FOUND WITH REGARD ' THE ARCHITECT AND STRUCTURAL ENGINEER.
IF THE	EXISTING FIELD CONDITIONS DO NOT P ETAILS SHOWN, THE CONTRACTOR SHAL E CONDITION WITH HIS PROPOSED MODI	ERMIT THE L NOTIFY IFICATION	EINSTALLATION OF THE WORK IN ACCORDANC THE ARCHITECT IMMEDIATELY AND PROVIDE A OF THE DETAILS GIVEN ON THE CONTRACT
	E ARCHITECT.		ON IS RESOLVED AND MODIFICATION IS APPRO
DOCUM BY TH		AL ENGIN	IK THAT HE DOES NOT REVIEW AND/OR WORK EER'S PLANS AND/OR SPECIFICATIONS.
DOCUM BY THI STRUC			IGS DOES NOT RELIEVE THE CONTRACTOR OF
DOCUM BY THI STRUC COMP! THE ST RESPC	TRUCTURAL ENGINEER'S REVIEW OF SHO	THE CONTR	RACT DRAWINGS, UNLESS A WRITTEN REQUEST

COMPONENT	4" 5.0.6. (PUBLIC)	4" S.O.G. (RESIDENTIAL)	TYP. FLOOR (PUBLIC)	TYP. FLOOR (RESIDENTIAL)	ROOF (PLANK)	ROOF (LIGHT GAGE)	LANDING		
CONCRETE SLAB	50	50							
E8 PLANK (ROOF)					54				
H10 PLANK (FLOOR)			71	71					
8" SOLID PLANK							100		
PARTITIONS		10		10					
FLOOR FINISH	2	2	2	2			2		
CEILING FINISH			2	2	2		2		
GYPCRETE			10	10					
ROOFING / INSULATION					8				
MECH. / ELEC. / PLUMBING			3	Э	5				
MISC.			3	თ	15				
LG 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		

INCLUDING SNOW, WIND, & SEISMIC LOAD PARAMETERS

FOUNDATIONS & EARTHWORK 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 SESI CONSULTING ENGINEERS AND DESCRIBED IN REPORT NO. 9403, DATED 5/16/16. ALL EARTHWORK AND SUBGRADE PREPARATION SHALL BE EXECUTED AS PER THE RECOMMENDATIONS DESCRIBED IN THIS REPORT. THE SLAB-ON-GRADE DESIGN WAS BASED ON ACHIEVING A WESTERGAARD MODULUS OF SUBGRADE REACTION, K, EQUAL TO OR BETTER THAN 100 PCI. IN ADDITION, ALL FOUNDATION WALLS BELOW GRADE WERE DESIGNED FOR A SOIL FRICTION ANGLE OF 34 DEGREES. 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 IE FOUNDATION CONDITIONS ENCOUNTERED DIEFER 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 BE CONTACTED TO PROVIDE NEW FOUNDATION DESIGN. FOOTINGS ARE TO BEAR AT LOWEST OF FOLLOWING REQUIREMENTS: ELEVATIONS NOTED ON DRAWINGS. SOIL SUITABLE FOR DESIGN BEARING PRESSURE, AS DETERMINED BY GEOTECHNICAL ENGINEER, FROST DEPTH (AS DETERMINED BY LOCAL BUILDING DEPARTMENT) WITH RESPECT TO FINISH GRADE. SLOPE OF 1 VERTICAL TO 2 HORIZONTAL FROM NEAREST ADJACENT FOUNDATION. PROTECT ALL EXISTING UNDERGROUND UTILITIES WITHIN WORK AREAS. CONSULT EXISTING MECHANICAL DRAWINGS RELEVANT TO SUCH UTILITIES. 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 D698 (STANDARD PROCTOR) AS VERIFIED BY TESTING LABORATORY. 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. PROTECT SUBGRADE UNDER ALL FOOTINGS AND SLABS ON GRADE FROM FREEZING DURING CONSTRUCTION. 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. 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. ALL CONCRETE SHALL BE READY MIX AND DESIGNED IN ACCORDANCE WITH ACI 301. DESIGN MIXES AND DMIXTURES SHALL BE SUBMITTED FOR APPROVAL. CONCRETE SHALL ATTAIN THE FOLLOWING MINIMUM COMPRESSIVE STRENGTHS IN 28 DAYS, U.N.O.: FOOTINGS AND GRADE BEAMS: FOUNDATION WALLS: 4000 PSI SLABS ON GRADE: 4000 PSI CAST-IN-PLACE STRUCTURAL SLABS: 4000 PSI CAST-IN-PLACE BEAMS, COLUMNS, AND PIERS: 4000 PSI ALL EXPOSED CONCRETE: ALL OTHER CONCRETE, U.O.N.: 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 0.50. PROVIDE 4-6 PERCENT AIR ENTRAINMENT FOR ALL EXPOSED CONCRETE. SUBMIT SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL INCLUDING FULL INFORMATION FOR PLACING ALL REINFORCING, WITHOUT REFERENCE TO THE DESIGN DRAWINGS. ALL CONCRETE REINFORCING BARS SHALL BE FROM BILLET STEEL IN ACCORDANCE WITH ASTM A615 GRADE 60. ALL WELDED WIRE FABRIC SHALL BE ASTM A185. WWF SHALL BE LAPPED AT LEAST 8 INCHES AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 8 INCHES. 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. CONCRETE EXPOSED TO EARTH OR MEATHER, #5 BAR AND SMALLER 1 1/2" CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH - FOR THE PRIMARY REINFORCEMENT TIES STIRRUPS AND SPIRALS IN BEAMS AND COLUMNS 3/4" CONCRETE NOT EXPOSED TO MEATHER NOR IN CONTACT WITH EARTH - FOR SLABS, WALLS, AND JOISTS, #11 BAR AND SMALLER. 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. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. AS NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS AND AT SLABS EDGES. MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 48 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. REFER TO TYPICAL DETAILS FOR SPECIFICATIONS ON CONTROL JOINTS, CONSTRUCTION JOINTS, AND EXPANSION JOINTS. 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. 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 16. 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. 17. COMPOSITE CONCRETE DECKS SHALL BE LIMITED TO POUR AREAS NOT TO EXCEED 3600 SQUARE FEET. CONSTRUCTION JOINTS SHALL BE LOCATED AT 1/3 POINTS OF GIRDERS AND AT MIDSPACING OF BEAMS WITH WELDED WIRE FABRIC REINFORCING BARS PASSING THROUGH THE BULKHEADS. SUBMIT LOCATIONS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO PLACING CONCRETE. 18. ALL CONCRETE, INCLUDING FOUNDATION WORK, IS TO BE VIBRATED. VIBRATORS SHALL NOT BE USED TO TRANSPORT CONCRETE. 19. 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. CONDUITS, PIPES AND SLEEVES SHALL NOT BE LARGER THAN 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. 21. 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. ALL ANCHOR BOLTS SHALL BE IN PLACE PRIOR TO POURING CONCRETE CONTRACTOR SHALL PROVIDE 3/4 INCH CHAMFER ON ALL EXPOSED CORNERS OF COLUMNS, BEAMS, AND WALLS UNLESS OTHERWISE INDICATED ON THE ARCHITECTURAL DRAWINGS. SLABS ON GRADE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE TYPICAL SLAB DETAILS INDICATED ON THE CONSTRUCTION DOCUMENTS. 25. PROVIDE 6 INCHES CRUSHED STONE UNDER ALL SLAB-ON-GRADE LOCATIONS UNLESS OTHERWISE NOTED IN 26. POROUS FILL FOR SLABS SHALL BE A UNIFORMLY GRADED MEDIUM COURSE STONE AGGREGATE TO PROVIDE, WHEN COMPACTED, A LEVEL, STABLE AND MELL DRAINING SUB-BASE FOR THE SLAB. USE #57 CRUSHED NATURAL STONE OR EQUAL PRIOR TO POURING FLOOR SLABS, REFER TO THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL WORK TO BE COMPLETED IN OR BELOW THE FLOOR. 28. 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. 29. PROVIDE CONTROL JOINTS AT ALL INSIDE CORNERS OF SLAB EDGES, AND AT OTHER LOCATIONS WHERE SLAB CRACKS ARE LIKELY TO DEVELOP. PROVIDE 1/2 INCH PREFORMED EXPANSION JOINTS IN SLABS WHERE INDICATED. REFER TO TYPICAL SLAB 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. 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

33. RAMPS, SLOPING SLABS, STEPS, AND SLABS EXPOSED TO WEATHER SHALL RECEIVE A LIGHT BROOMED

34. LOCATE WELDED WIRE FABRIC 1-1/2 INCHES BELOW TOP OF SLAB.

ALL PRECAST/PRESTRESSED WORK SHALL BE IN CONFORMANCE WITH PRECAST/PRESTRESSED CONCRETE INSTITUTE AND THE REQUIREMENTS OF ACI 318 AND THE PROJECT STANDARDS AND SPECIFICATIONS. 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. REFER TO STRUCTURAL DRAWINGS FOR SIZE AND SPANNING DIRECTION OF PRECAST MEMBERS. 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 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 WITHOUT PRIOR APPROVAL OF PRECAST MANUFACTURER. THE PRECAST MANUFACTURER SHALL COORDINATE ALL OPENINGS IN PRECAST MEMBERS WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS. THE MANUFACTURER SHALL SUPPLY HEADERS, HANGERS, INSERTS ATTACHMENTS AND APPURTENANCES AS REQUIRED AT OPENINGS. GENERAL CONTRACTOR IS TO PROVIDE OPENINGS FOR ALL DUCTS AND PIPES PENETRATING PLANK. ALL GROUT KEYS SHALL BE PROPERLY FILLED WITH A MINIMUM 3000 PSI GROUT FOR FULL LENGTH AND PROPERLY TIED INTO BEARING POINTS AS DETAILED IN DRAWINGS. FABRICATE PLANK TO A LENGTH TOLERANCE OF ± ½ INCH. NO FIELD CUTTING OF PLANK FOR OPENINGS WILL BE PERMITTED. FOR OPENINGS UP TO 8 INCHES IN DIAMETER FIELD DRILLING OR CORING MAY BE ALLOWED PROVIDED THAT ALL SUCH OPENINGS BE MARKED AND APPROVED BY THE PRECAST CONTRACTOR PRIOR TO ANY DRILLING OR CORING. ALL OPENINGS OVER 8 INCHES IN DIAMETER MUST BE SHOP-FORMED OR FRAMED. (SEE NOTES 5, 6 & 11) PRECAST MANUFACTURER TO SELECT PLANK REINFORCEMENT TO SUPPORT ALL DEAD AND LIVE LOADS WITH ANY ONE STRAND CUT. PRECAST MEMBERS SHALL BE DESIGNED BY THE MANUFACTURER FOR COMPOSITE ACTION TO SUPPORT SUPERIMPOSED LIVE LOADS AS GIVEN IN THE NOTES PLUS THE DEAD LOAD OF PRECAST AND TOPPING AND A SUPERIMPOSED DEAD LOAD OF 10 PSF AT FLOOR SLABS. TOPPING SLAB OVER PRECAST MEMBERS SHALL BE AS NOTED ON THE DRAWINGS ANCHOR DOWELS AND SPECIAL REINFORCING SHALL BE PLACED BY THE CONTRACTOR IN STRICT ACCORDANCE WITH THE DRAWINGS. PRECAST UNITS SHALL HAVE 3" MINIMUM BEARING AT ENDS. BEARING WIDTHS AT THE SIDES OF THE UNITS SHALL BE 3" MINIMUM, UNLESS A GREATER SIDE BEARING AREA IS REQUIRED BY THE PRECAST 16. GENERAL CONTRACTOR SHALL PROVIDE A LEVEL AND ADEQUATE BEARING SURFACE FOR ALL PRECAST UNITS. PROVIDE SHIMS AS REQUIRED. SHIMS MUST BE CONTINUOUS FOR THE FULL WIDTH OF PLANK. NO POINT SHIMMING IS ALLOWED. USE KOROLATH SHIMS OR APPROVED EQUAL. STRUCTURAL STEEL ALL STRUCTURAL STEEL WORK SHALL BE IN CONFORMANCE WITH "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS", AISC 360 (STEEL CONSTRUCTION MANUAL, 14TH EDITION. MATERIALS STANDARDS (UNLESS NOTED OTHERWISE ON DRAWINGS OR IN PROJECT SPECIFICATIONS): ALL STEEL WF BEAMS SHALL BE ASTM A992, 50,000 PSI YIELD. ALL ANGLES. CHANNELS AND PLATES SHALL BE ASTM A36, 36,000 PSI YIELD. PIPE SHAPES: ASTM A53, GRADE B. 35,000 PSI YIELD HSS RECTANGULAR SHAPES: ASTM A500, GRADE B, 46,000 PSI YIELD. HSS ROUND SHAPES: ASTM A500, GRADE B, 42,000 PSI YIELD. ANCHOR BOLTS: ASTM F1554 GRADE 36 THREADED RODS: ASTM A36, UNLESS OTHERWISE NOTED. ALL OTHER SHAPES SHALL BE ASTM A36, 36,000 PSI YIELD, UNLESS OTHERWISE NOTED. SHOP CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED OR WELDED. MINIMUM BOLT SHALL BE 3/4" DIAMETER. ASTM A325N. U.N.O. MINIMUM SIZE WELD, UNLESS OTHERWISE NOTED, IS TO BE 3/16 INCH FILLET, ETOXX ELECTRODES. ELECTRODES SHALL BE SUITED TO STEEL GRADE. FIELD CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED, 3/4" DIAMETER, ASTM A325N, U.N.O. BEAM AND SHEAR CONNECTIONS WITH HIGH-STRENGTH BOLTS ARE TO BE BEARING TYPE, UNLESS NOTED OTHERWISE. WHERE FIELD-WELDING IS NOTED, IT SHOULD BE PERFORMED BY CERTIFIED WELDERS ONLY. MELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN MELDING BOLTS AND BOLTED CONNECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" AS APPROVED BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS (RCSC). ALL CONNECTIONS SHALL BE FULL DEPTH CONNECTIONS ON ALL GIRDER AND BEAM CONNECTIONS TO WF COLUMNS: DOUBLE ANGLE SHEAR CONNECTION. BOLTS SHALL BE AT 3 INCH O.C. VERT., U.N.O. HSS AND PIPE COLUMNS: 3/8" THICK (MIN.), FULL DEPTH THRU-PLATE. BOLTS SHALL BE AT 3" O.C. BEAM TO GIRDER: FULL DEPTH, SINGLE ANGLE SHEAR CONNECTION TO BE SUBMITTED FOR REVIEW DESIGN STANDARD CONNECTIONS FOR THE LARGER OF EITHER THE SHEAR SHOWN ON THE DRAWINGS (INDICATED AS "V" K" AT THE MEMBER ENDS) OR 55% OF THE TOTAL LOAD CAPACITY, DERIVED SHOP DRAWINGS FOR ALL STRUCTURAL MATERIALS TO BE SUBMITTED TO ARCHITECT FOR REVIEW PRIOR TO FROM THE "MAXIMUM TOTAL UNIFORM LOAD TABLES" IN PART 3 OF THE AISC MANUAL, 14TH EDITION. THE START OF FABRICATION OR COMMENCEMENT OF WORK. IN NO CASE SHALL THE ANGLE SIZE AND MINIMUM NUMBER OF ROWS OF BOLTS FOR THE GIVEN BEAM REVIEW PERIOD SHALL BE A MINIMUM OF TWO (2) WEEKS. SIZE BE LESS THAN THAT SHOWN IN TABLE 1, PART 10 OF THE AISC MANUAL, 14TH EDITION. WELD HEADED STUDS TO EMBEDDED BEARING PLATES TO DEVELOP THE FULL TENSION CAPACITY OF THE

FIELD CONNECTIONS BY CUTTING OR BURNING ARE PROHIBITED, EXCEPT BY SPECIFIC APPROVAL OF THE

FIELD WELDING OF SOME COLUMN STIFFENER PLATES IS ACCEPTABLE TO FACILITATE THE ERECTION

A. WHERE COLUMN STIFFENERS ARE NOTED, PROVIDE MINIMUM SIZE WELDS ON BOTH SIDES OF

STRUCTURAL AND MISCELLANEOUS STEEL FABRICATORS SHALL BE RESPONSIBLE FOR OBTAINING AND

DRAWINGS HAVE BEEN SUBMITTED. COORDINATE ALL DETAILING TO INCLUDE STRUCTURAL STEEL

ALL STEEL BEAMS SHALL BE THOROUGHLY CLEANED IN ACCORDANCE WITH SSPC-SP2 OR BETTER.

DELETE PAINT ON ALL STEEL TO RECEIVE SPRAYED-ON FIREPROOFING OR CONCRETE ENCASEMENT.

SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. FABRICATION SHALL NOT COMMENCE

UNTIL SHOP DRAWINGS ARE APPROVED. IF THE FABRICATOR PROPOSES USING DETAILS OTHER THAN THOSE SHOWN, SUCH DETAILS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BEFORE DETAILED SHOP

SHOP DRAWINGS SHALL INCLUDE THE EXACT LOCATION AND SIZE OF ALL ROOF AND FLOOR OPENINGS FOR

STEEL SHAPES, PLATES, ETC. WHICH ARE EXPOSED TO WEATHER SHALL BE GALVANIZED OR PAINTED WITH A

PROVIDE ONE COAT OF STANDARD SHOP PAINT ON ALL UNGALVANIZED PIECES EXCEPT AT AREAS TO BE

TOUCH UP FIELD WELDS AND ANY DAMAGED AREAS OF PAINT IN FIELD AFTER WELDING WITH A ZINC RICH

ALL STEEL LINTELS AND SHELF ANGLES SHALL BE PRIMED AND HAVE TWO (2) FINISH COATS OF APPROVED

FABRICATOR SHALL SUPPLY LOOSE ANGLES OVER ALL MASONRY OPENINGS AND RECESSES UNLESS NOTED

OTHERWISE. LINTELS NOT SCHEDULED ON DRAWINGS SHALL CONSIST OF A SINGLE ANGLE WITH A 3 1/2 INCH

BEARING EACH END

ALL STEEL BEAMS SHALL BE FABRICATED AND ERECTED WITH THE NATURAL CAMBER (WITHIN THE MILL

TOLERANCE) LOCATED ABOVE THE HORIZONTAL CENTERLINE BETWEEN THE END CONNECTIONS.

LEG HORIZONTAL FOR EACH 4 INCHES OF WALL THICKNESS. ANGLES SHALL BE AS FOLLOWS:

ANGLE SIZE

5 X 3 1/2 X 1/4"

5 X 3 1/2 X 1/4"

5 X 3 1/2 X 3/8"

STEEL FRAMING SHALL BE PROPERLY BRACED UNTIL AFTER FINAL CONNECTIONS ARE MADE.

VERIFYING ALL FIELD DIMENSIONS NECESSARY FOR THE COMPLETION OF THEIR WORK.

MECHANICAL EQUIPMENT. SEE TYPICAL DETAIL FOR FRAMING AROUND OPENINGS.

STIFFENER PLATES, UNLESS NOTED OTHERWISE

INFORMATION SHOWN ON THE ARCHITECTURAL DRAWINGS.

RUST INHIBITIVE PAINT OR BE HOT DIPPED GALVANIZED

RUST INHIBITING, EPOXY PAINT SYSTEM.

MASONRY OPENING

4'-0" OR LESS

4'-0" TO 6'-0"

6'-0" TO 8'-0

10. COLUMN STIFFENERS:

ALL WORK FOR MASONRY INCLUDING COMPOSITION, QUALITY AND PLACEMENT OF MATERIALS, QUALITY ASSURANCE FOR MATERIALS AND CONSTRUCTION OF MASONRY SHALL COMPLY WITH ACI 520/ASCE 5/TMS 402, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", AND ACI 530.1/ASCE 6/TMS 602 SPECIFICATION FOR MASONRY STRUCTURES." HOLLOW LOAD BEARING CMU UNITS SHALL BE NORMAL WEIGHT CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 1900 PSI (FM = 1500> PSI), UNLESS OTHERWISE NOTED ON PLANS. MORTAR TYPE SHALL BE PORTLAND CEMENT/LIME, TYPE S CONFORMING TO ASTM C270 FROM FIELD OBTAINED TEST CUBES UNLESS OTHERWISE NOTED ON STRUCTURAL PLANS, MASONRY CEMENT SHALL NOT ALL GROUT SHALL BE A DESIGN MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI SMALL AGGREGATE CONCRETE (<3/8") WITH A MAXIMUM SLUMP OF & INCHES MEETING THE REQUIREMENTS OF ASTM C476 FROM FIELD OBTAINED TEST CYLINDERS. ALL MORTAR MIXES, GROUT MIXES AND ADMIXTURE SHALL BE SUBMITTED FOR APPROVAL. ALL CMU SHALL BE GROUTED SOLID BELOW GRADE. ALL CMU SHALL BE LAID IN A FULL BED OF MORTAR ALL BOND BEAMS ARE TO BE CONTINUOUS FOR ENTIRE LENGTH OF WALL, UNLESS OTHERWISE NOTED. ALL OPENINGS SHALL HAVE TWO CELLS WITH ONE #4 REBAR, EACH SIDE OF OPENING, UNLESS NOTED OTHERWISE. EXTEND VERTICALS 2 FEET BEYOND FACE OF OPENING. ALL WALL INTERSECTIONS SHALL HAVE CORNER BARS MATCHING SIZE AND SPACING OF HORIZONTAL REINFORCEMENT. PROVIDE (1) #4 BAR GROUTED SOLID FULL HEIGHT AT CORNERS OF ALL EXTERIOR MASONRY WALL CONSTRUCTION, UNLESS NOTED OTHERWISE VERTICAL REINFORCEMENT FOR CMU SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-O". REINFORGEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS GROUTED SOLID. ALL REINFORCEMENT SHALL CONFORM TO ASTM A615 GRADE 60 SPECIFICATION. REINFORCING STEEL SHALL BE LAPPED MINIMUM 48 BAR DIAMETERS. HORIZONTAL WALL REINFORCEMENT SHALL BE STANDARD LADDER OR TRUSS TYPE HORIZONTAL JOINT REINFORCEMENT, (2)W1.7 AT 16" ON CENTER VERTICAL IN ALL MASONRY, U.N.O. SPACE HORIZONTAL JOINT REINFORCEMENT AT 8 INCHES ON CENTER IN ALL PARAPETS. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 8" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". PROVIDE SHOP FABRICATED T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS. GROUT ALL CELLS SOLID BELOW BEAM BEARING POINTS U.N.O. ALL BRICK VENEER MASONRY UNITS SHALL BE GRADE SM WITH A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AND BONDED TOGETHER WITH TYPE N MORTAR, U.N.O. HIGH LIFT GROUTING IS ALLOWED; FOR GROUTING PROCEDURES. SEE NOMA "TEK" SERIES (6 TO 3 FEET MAXIMUM HEIGHT LIFTS RECOMMENDED). PUMPING VIA GROUT PUMP IS PERMITTED; HOWEVER, CONCRETE DELIVERY MUST BE SCHEDULED TO PERMIT PLACEMENT OF ALL MATERIAL DELIVERED WITHIN ONE HOUR. MAXIMUM HALF TRUCK CAPACITY LOADS ARE RECOMMENDED (1 HOUR ON SITE MAXIMUM PERMITTED WAITING REFER TO PLANS FOR SPECIFICATIONS OF LINTELS FOR ALL MASONRY OPENINGS OR RECESSES. COORDINATE ALL OPENING REQUIREMENTS WITH ALL TRADES, DRAWING REQUIREMENTS, AND/OR APPROVED MECHANICAL CUTS AND SHOP DRAWINGS. ALL PRECAST CONCRETE LINTELS SHALL BE REINFORCED AS NOTED ON THE NON-BEARING MASONRY LINTEL SCHEDULE AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI, UNLESS NOTED OTHERWISE. ALL LINTELS SHALL BEAR ON WALL AT EACH END A MINIMUM DISTANCE OF & INCHES FOR SPANS UP TO &'-O" AND 1 INCH PER FOOT OF SPAN THEREAFTER, UNLESS NOTED OTHERWISE. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY THE CONTRACTOR SHALL REVIEW ALL DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON REVIEW. VERIFY ALL DIMENSIONS WITH THE ARCHITECT. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS SHALL BE CLOUDED BY REPRODUCTION OF ANY PORTION OF THE STRUCTURAL CONTRACT DRAWINGS FOR RESUBMITTAL AS SHOP DRAWINGS IS PROHIBITED. SHOP DRAWINGS PRODUCED IN SUCH A MANNER WILL BE REJECTED AND THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER OR ARCHITECT ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS. THE ADEQUACY OF ENGINEERING DESIGNS AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

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MONTEBELLO

Braemar at Montebello Assisted Living Residence

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

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GENERAL NOTES

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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 MAK TO DISCUSS CONSTRUCTION PRACTICES AND PROCEDURES OF THE MAJOR STRUCTURAL SYSTEMS, ESTABLISH PROCEDURES AND GUIDELINES FOR REQUESTING INFORMATION FROM MAK, AND TO REVIEW THE STRUCTURAL OBSERVATIONS, SPECIAL INSPECTIONS, AND TESTING REQUIREMENTS OUTLINED IN THE CONSTRUCTION DOCUMENTS.

- 2. M&K 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 MAKE TO MAKE DETAILED INSPECTIONS NOR TO PROVIDE
 EXHAUSTIVE OR CONTINUOUS PROJECT REVIEW AND OBSERVATION SERVICES. M&K 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 M&K AS ADDITIONAL SERVICES.

 3. M&K 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 M&K 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
- 5. STRUCTURAL OBSERVATIONS PERFORMED BY M#K SHALL NOT BE CONSIDERED A SUBSTITUTION FOR THE REQUIRED SPECIAL INSPECTIONS LISTED.
 6. M#K SHALL PROVIDE STRUCTURAL OBSERVATION/SITE VISIT REPORTS TO THE CLIENT FOLLOWING EACH
- 6. M&K 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 M&K. M&K SHALL NOTIFY THE CODE OR BUILDING OFFICIAL IN WRITING OF ANY OUTSTANDING OR UNRESOLVED STRUCTURAL DEFICIENCIES OR DEVIATIONS PRIOR TO THE COMPLETION OF CONSTRUCTION.

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 M&K IF REQUIFSTED.

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 WAS OR WAS NOT COMPLETED 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:

AS (FERIODIC) 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 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

OR ANY OTHER ENTITY FURNISHING MATERIALS OR PERFORMING ANY WORK ON THE PROJECT.

THE QUALITY CONTROL PROGRAMS AND PROCEDURES OF ANY CONTRACTOR, SUBCONTRACTOR, SUPPLIER

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.
 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

STEEL CONSTRUCTION

1. STRUCTURAL STEEL:
SPECIAL INSPECTIONS AND TESTING FOR STRUCTURAL STEEL, INCLUDING ALL STRUCTURAL STEEL MEMBERS
(i.e. STRUTS, COLLECTORS, CHORDS, FOUNDATION ELEMENTS) AND THEIR CONNECTIONS, SHALL BE IN
ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360. REQUIRED
INSPECTIONS INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

A. WELDS (AISC 360 SECTION N5.4)
CONT.

B. HIGH STRENGTH BOLTS, NUTS, AND WASHERS (AISC 360 SECTION N5.6)
C. GALVANIZED STRUCTURAL STEEL MAIN MEMBERS (AISC 360 SECTION 5.7)
CONT.

METAL DECK:
A. SPECIAL INSPECTIONS AND QUALIFICATION OF WELDING SPECIAL INSPECTORS FOR COLD-FORMED STEEL FLOOR AND ROOF DECK SHALL BE IN ACCORDANCE WITH THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF SDI QA/QC.
B. INSPECTIONS OF METAL DECK USED IN COMPOSITE CONSTRUCTION SHALL ALSO COMPLY WITH THE REQUIREMENTS OF AISC 360 SECTION N6.
3. OPEN-WEB STEEL JOISTS AND JOIST GIRDERS:
SPECIAL INSPECTIONS OF OPEN-WEB STEEL JOISTS AND JOIST GIRDERS SHALL BE IN ACCORDANCE WITH IBC SECTION 1705.2.3 AND IBC TABLE 1705.2.3:
END CONNECTIONS - WELDED OR BOLTED

PERIODIC

B. BRIDGING - HORIZONTAL OR DIAGONAL
4. 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:

L. SHAPE, LOCATION, AND DIMENSIONS OF MEMBER FORMWORK

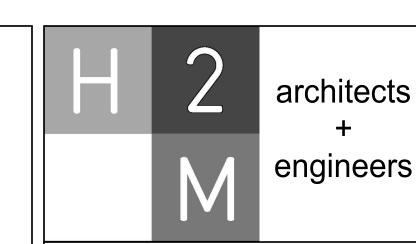
ACCORDANCE TO AISC 360 TABLES N5.4-1, N5.4-2, AND N5.4-3 RESPECTIVELY.

A. REINFORCEMENT - INCLUDING PRESTRESSING AND PLACEMENT
B. REINFORCING BAR WELDING (SEE TABLE)
PERIODIC/CONT.
C. ANCHORS CAST IN CONCRETE
PERIODIC
D. ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS (SEE TABLE)
PERIODIC/CONT.
E. VERIFY DESIGN MIX USE
PERIODIC
F. CONCRETE STRENGTH, SLUMP, AIR CONTENT, AND TEMPERATURE TESTING
CONCRETE AND SHOTCRETE APPLICATION TECHNIQUES
H. CURING TEMPERATURES AND TECHNIQUES
PERIODIC
I. PRE-STRESSED FORCE APPLICATION AND TENDON GROUTING
J. ERECTION OF PRECAST MEMBERS
PERIODIC
K. VERIFY POST-TENSIONED CONCRETE STRENGTH PRIOR TO FORM REMOVAL
PERIODIC

MASONRY CONSTRUCTION

1. SPECIAL INSPECTIONS AND TESTS OF MASONRY CONSTRUCTION, INCLUDING VERTICAL MASONRY
FOUNDATION ELEMENTS, SHALL BE PERFORMED IN ACCORDANCE WITH THE QUALITY ASSURANCE PROGRAM
REQUIREMENTS OF TMS 402/ACI 530/ASCE 5 AND TMS 602/ACI 530.1/ASCE 6.

2. REINFORCING STEEL WELDING SHALL BE INSPECTED PRIOR TO, DURING, AND AFTER WELDING IN



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MONTEBELLO
REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

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

CONTRACT

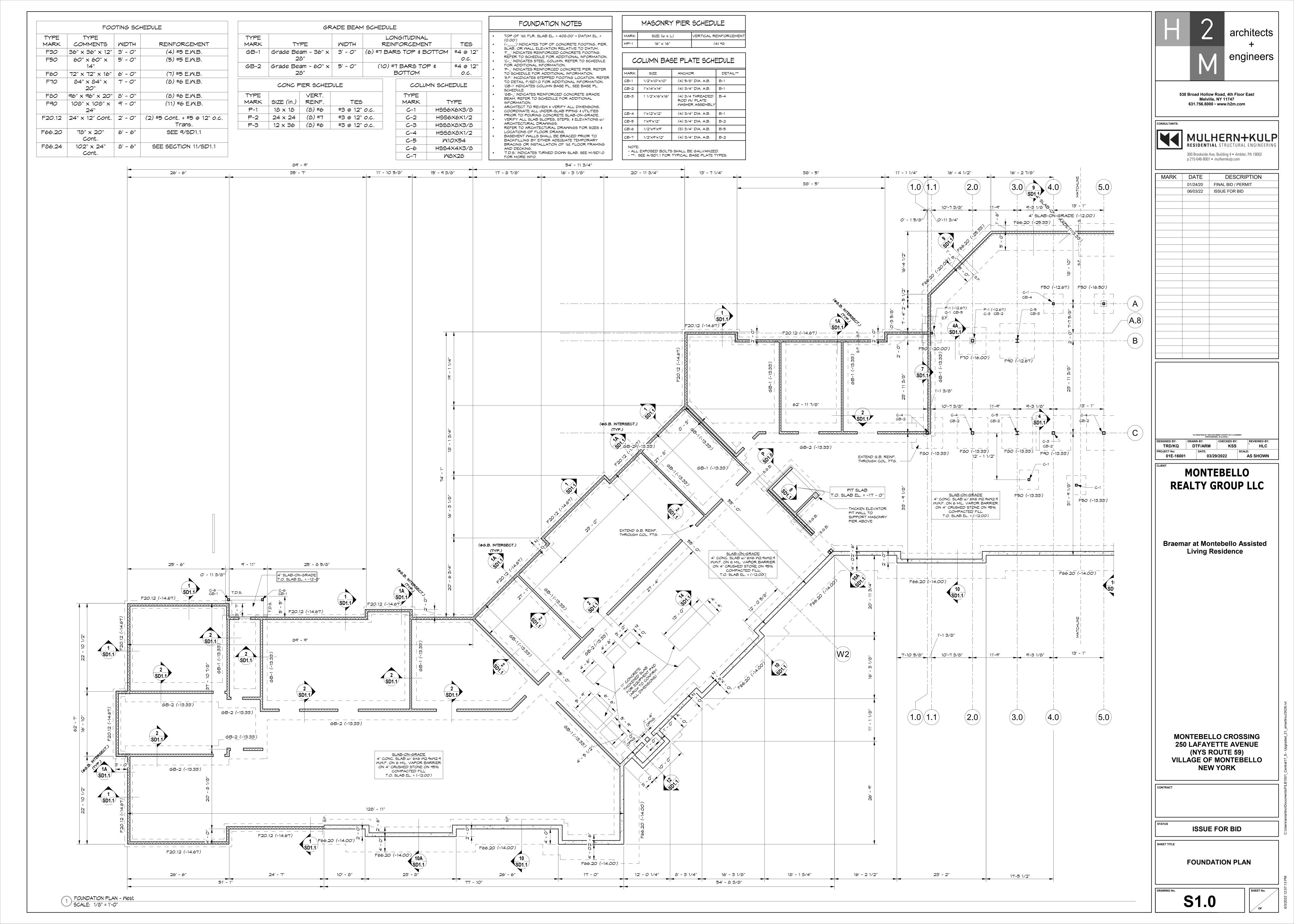
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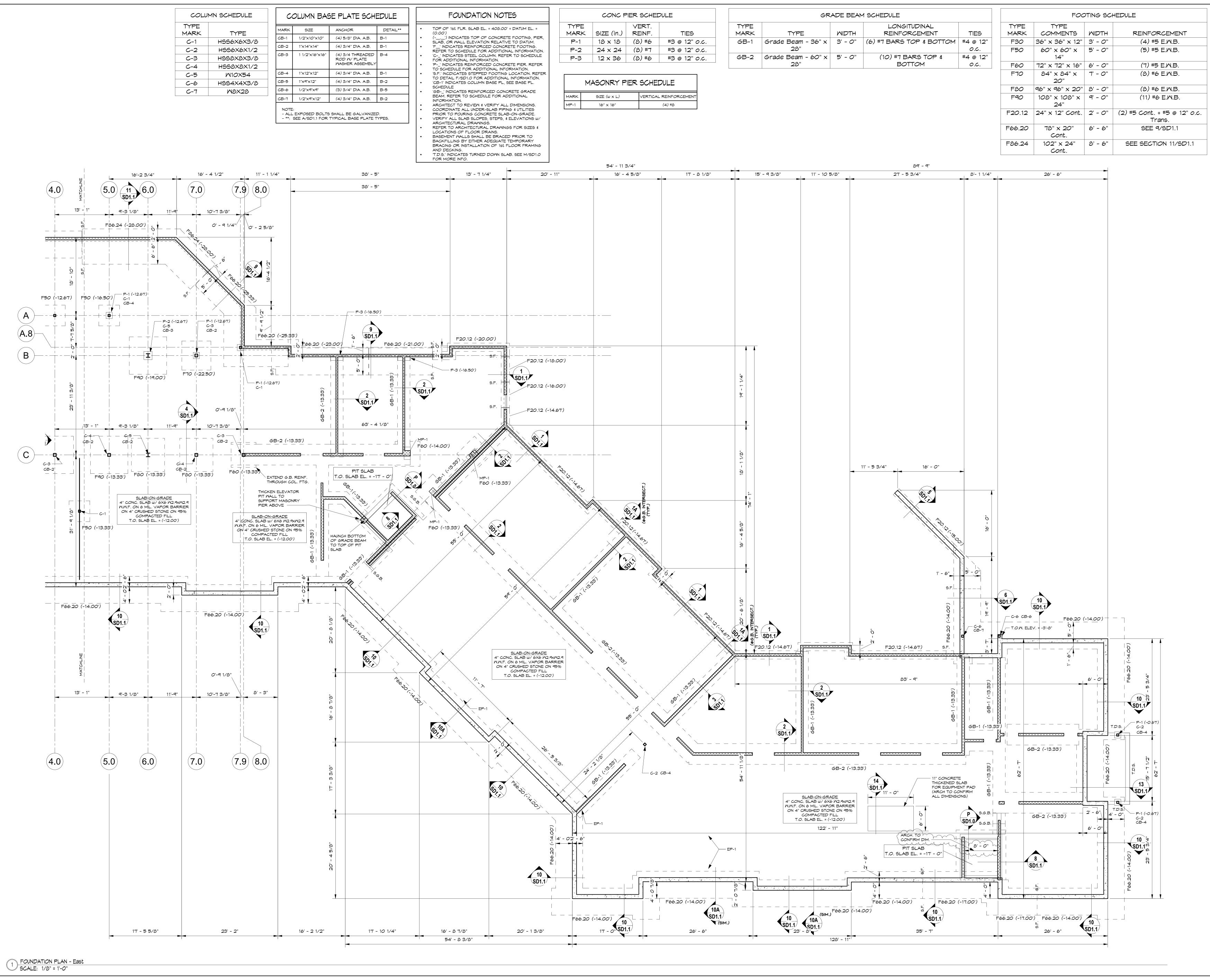
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SPECIAL INSPECTION NOTES

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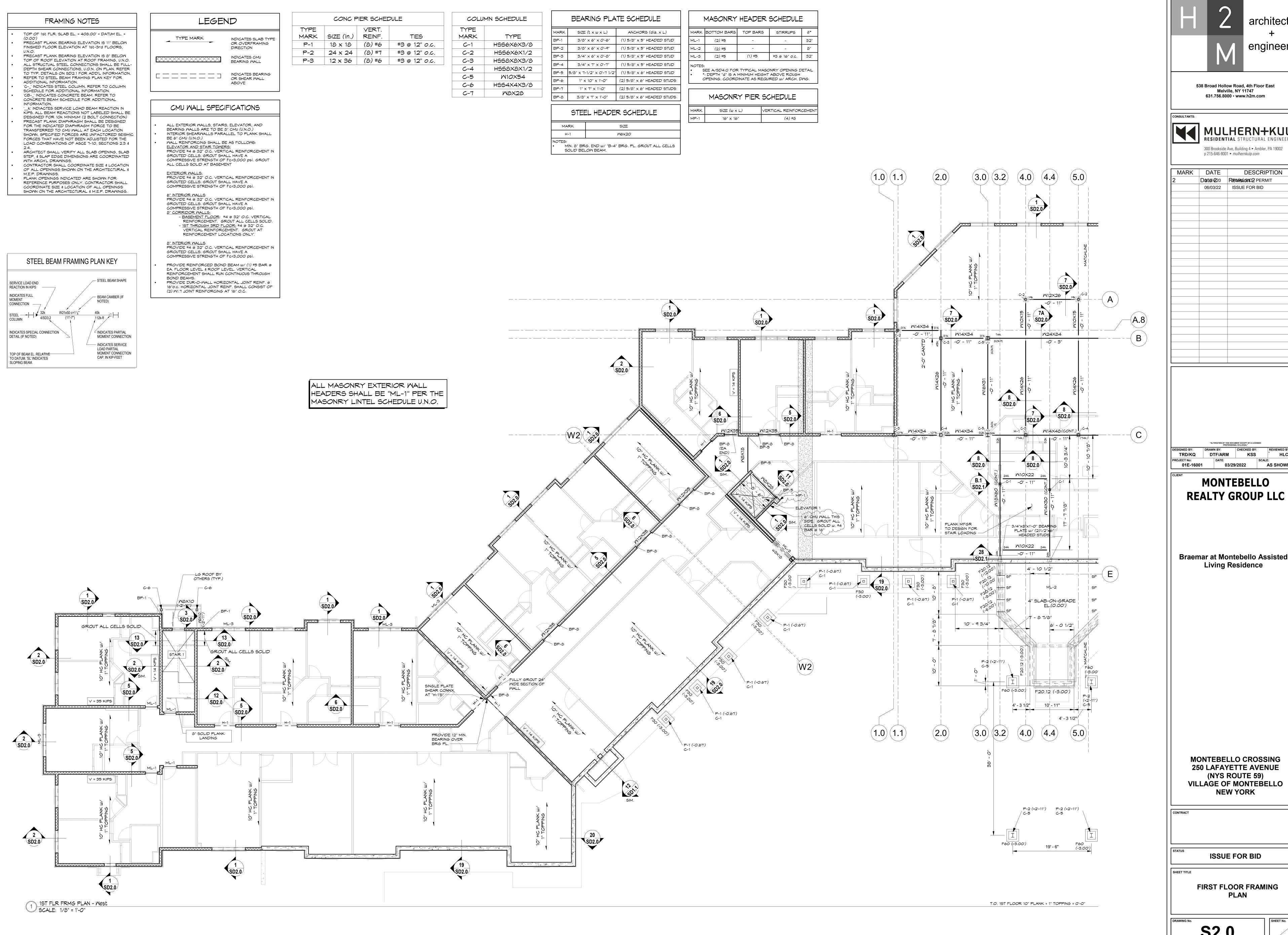
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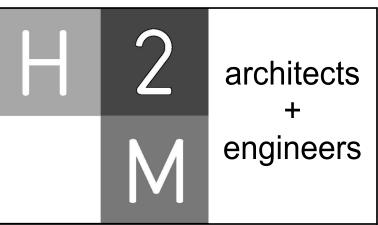
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FOUNDATION PLAN





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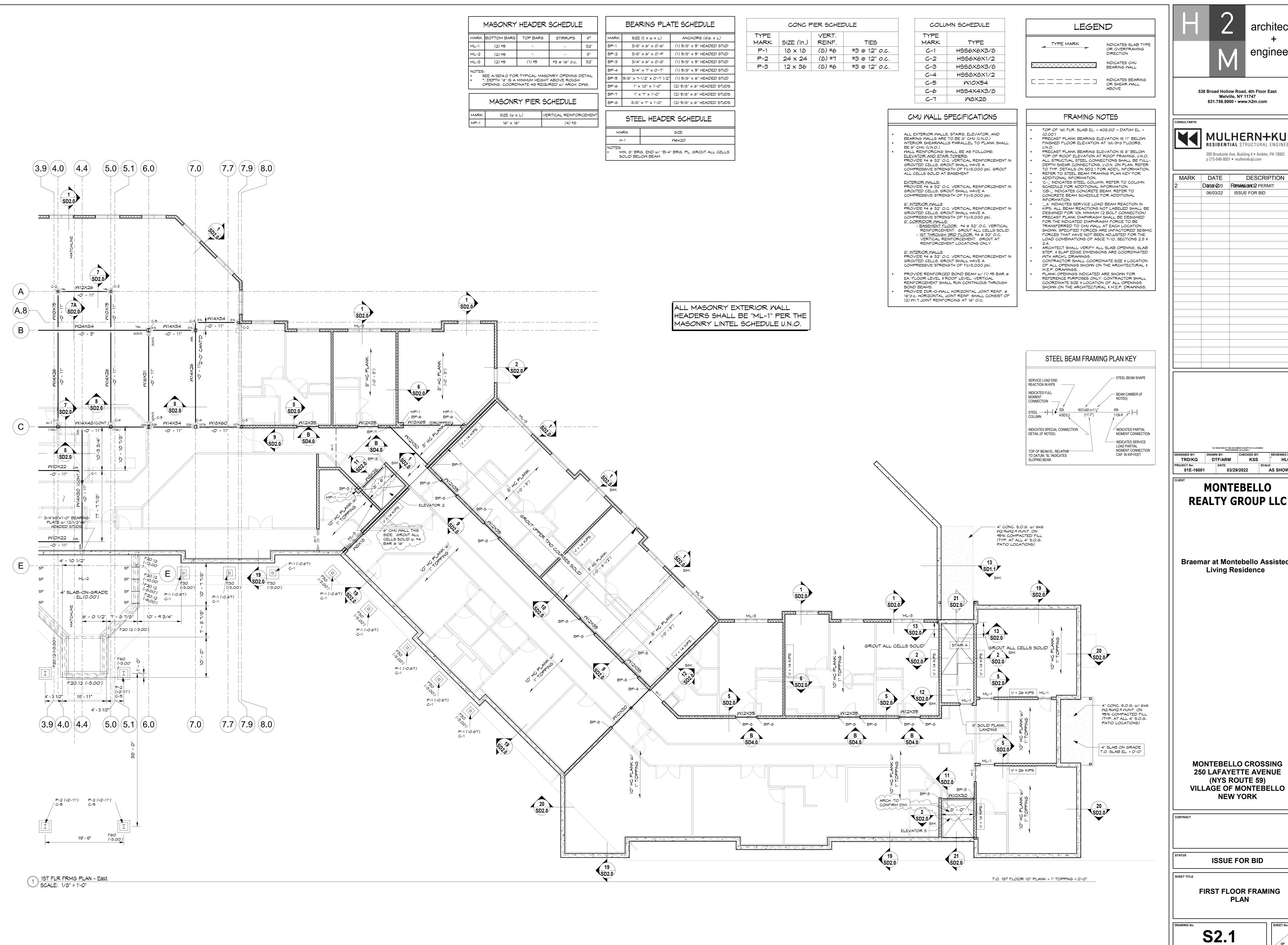
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FIRST FLOOR FRAMING **PLAN**



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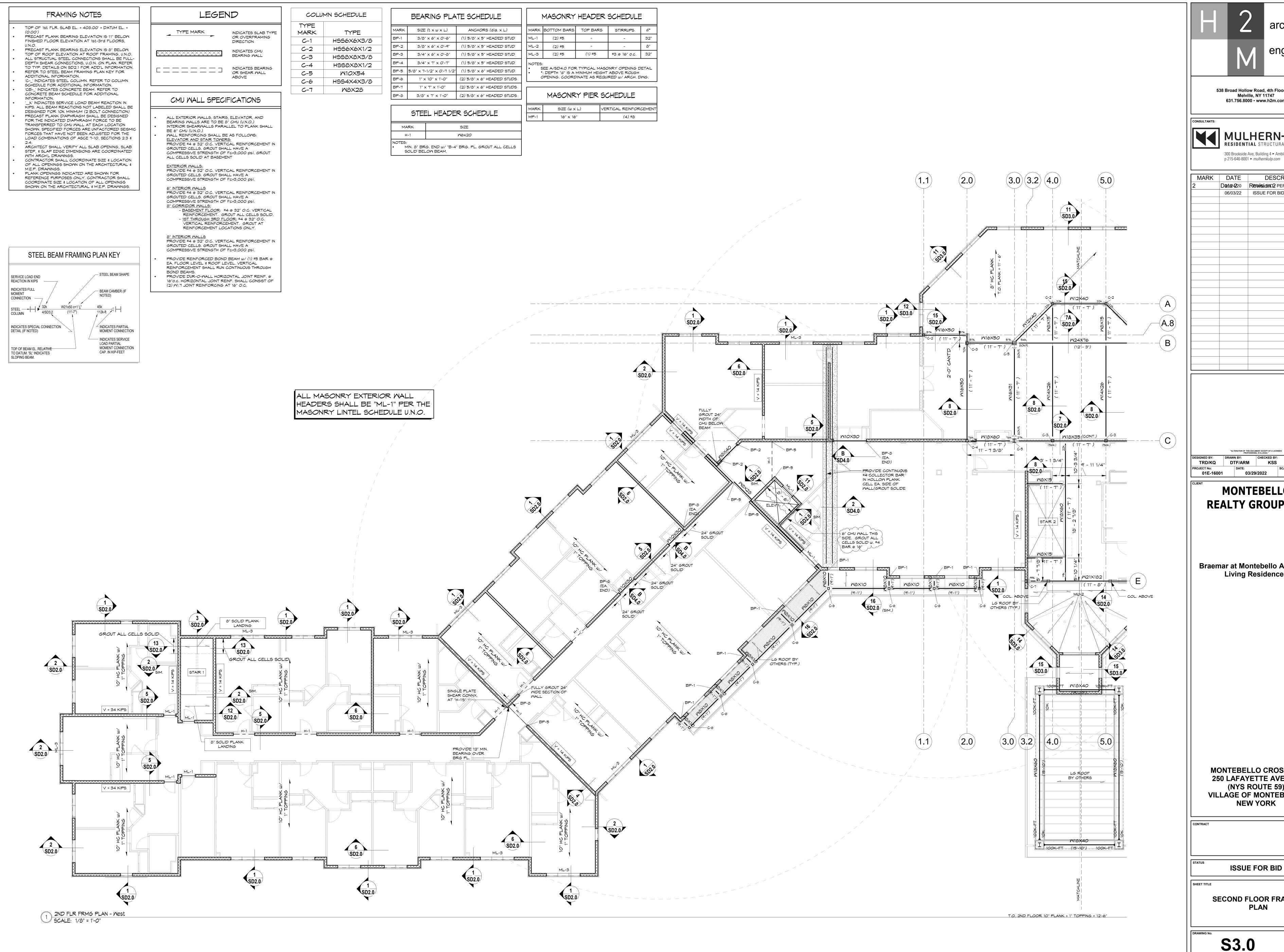
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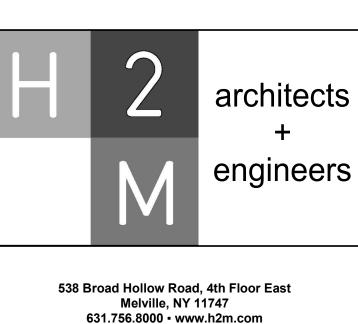
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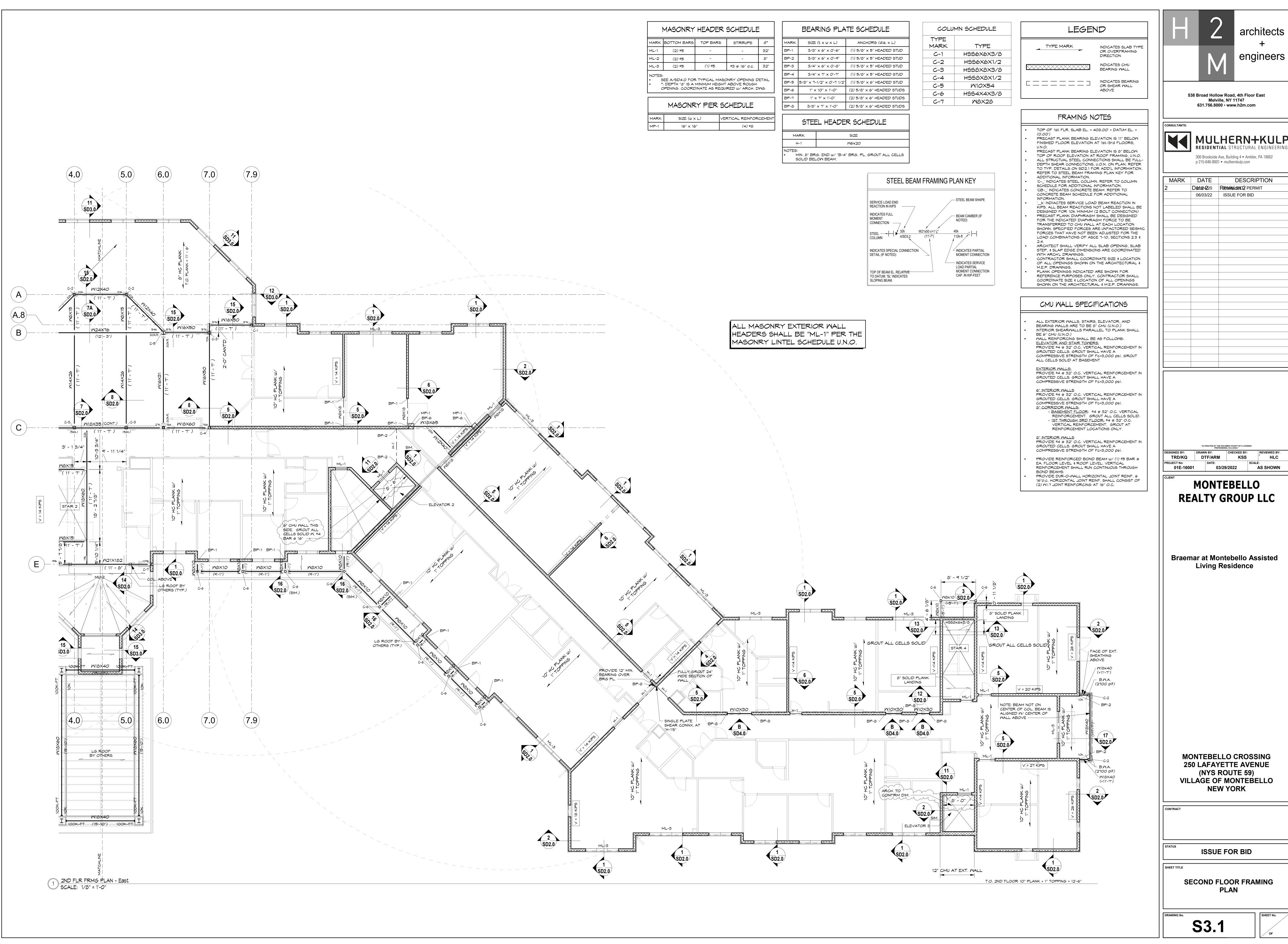
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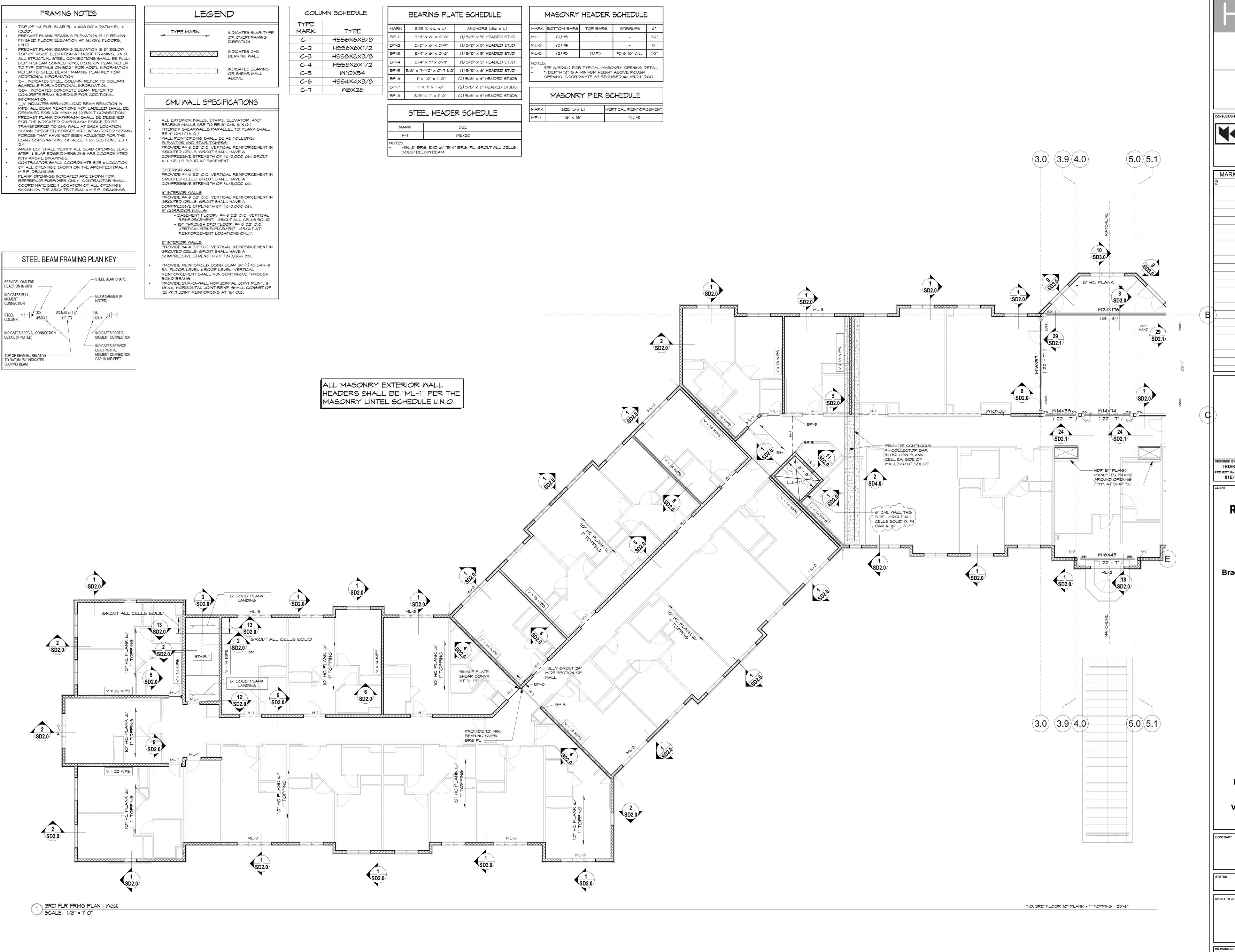
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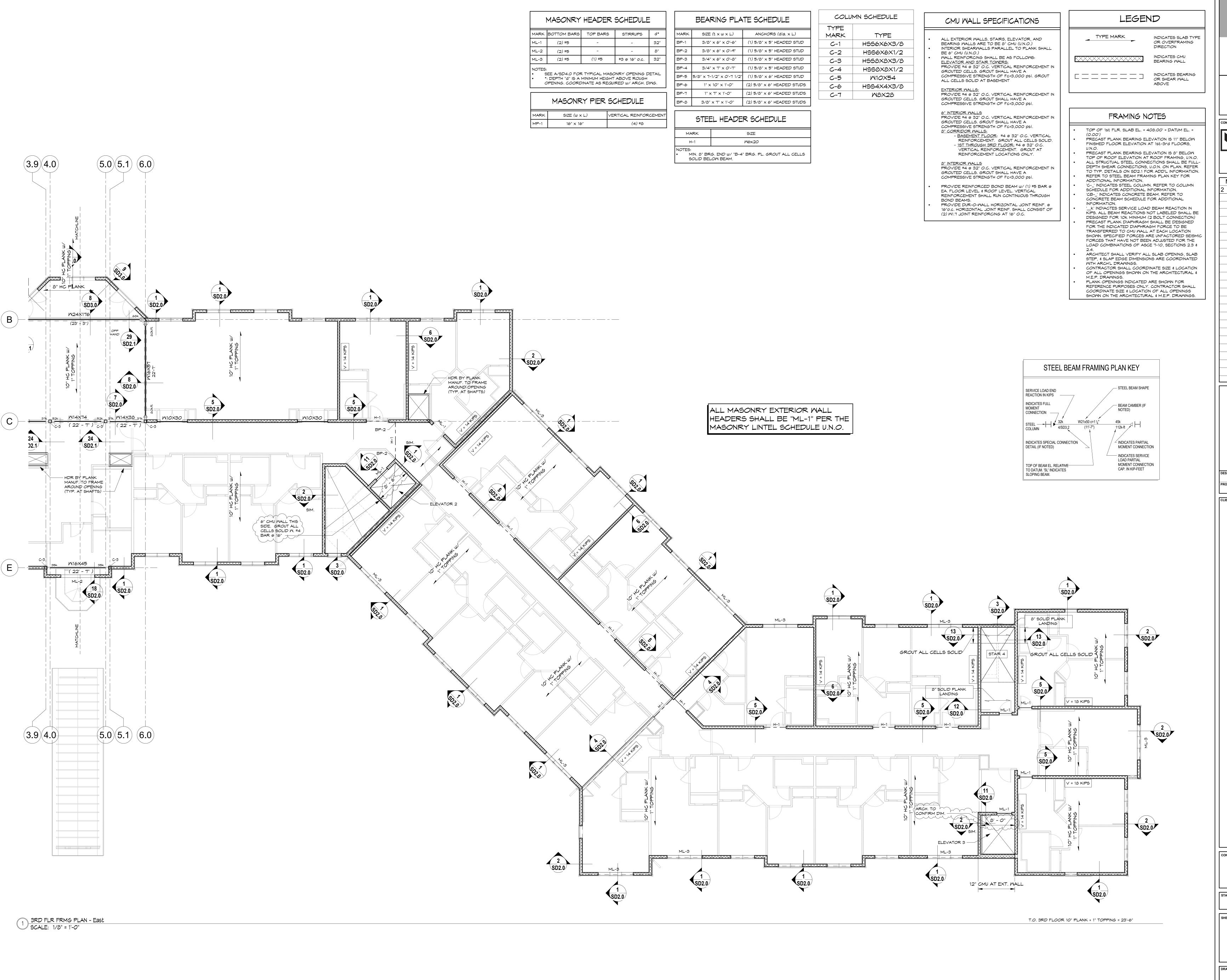
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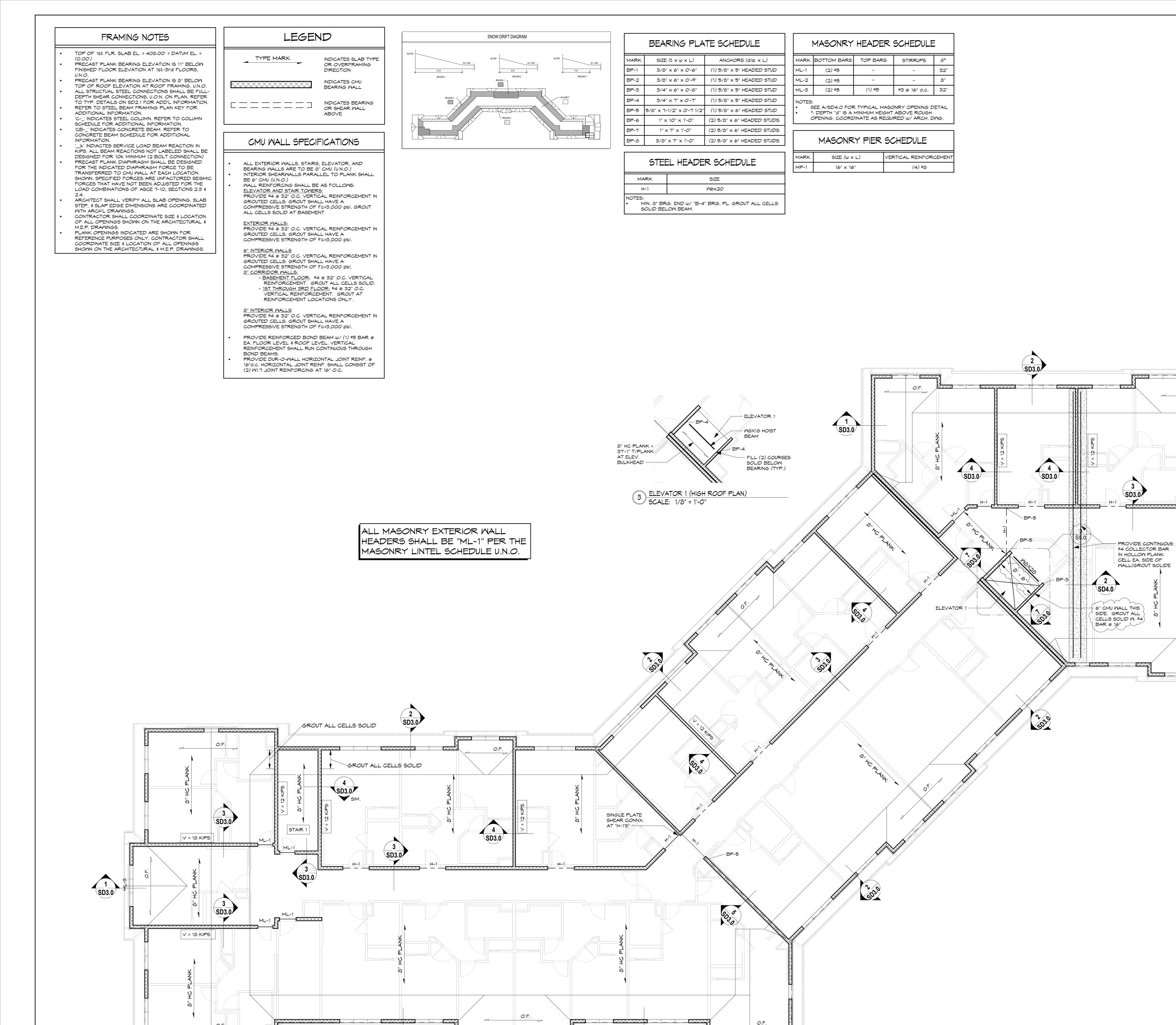
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PLAN

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

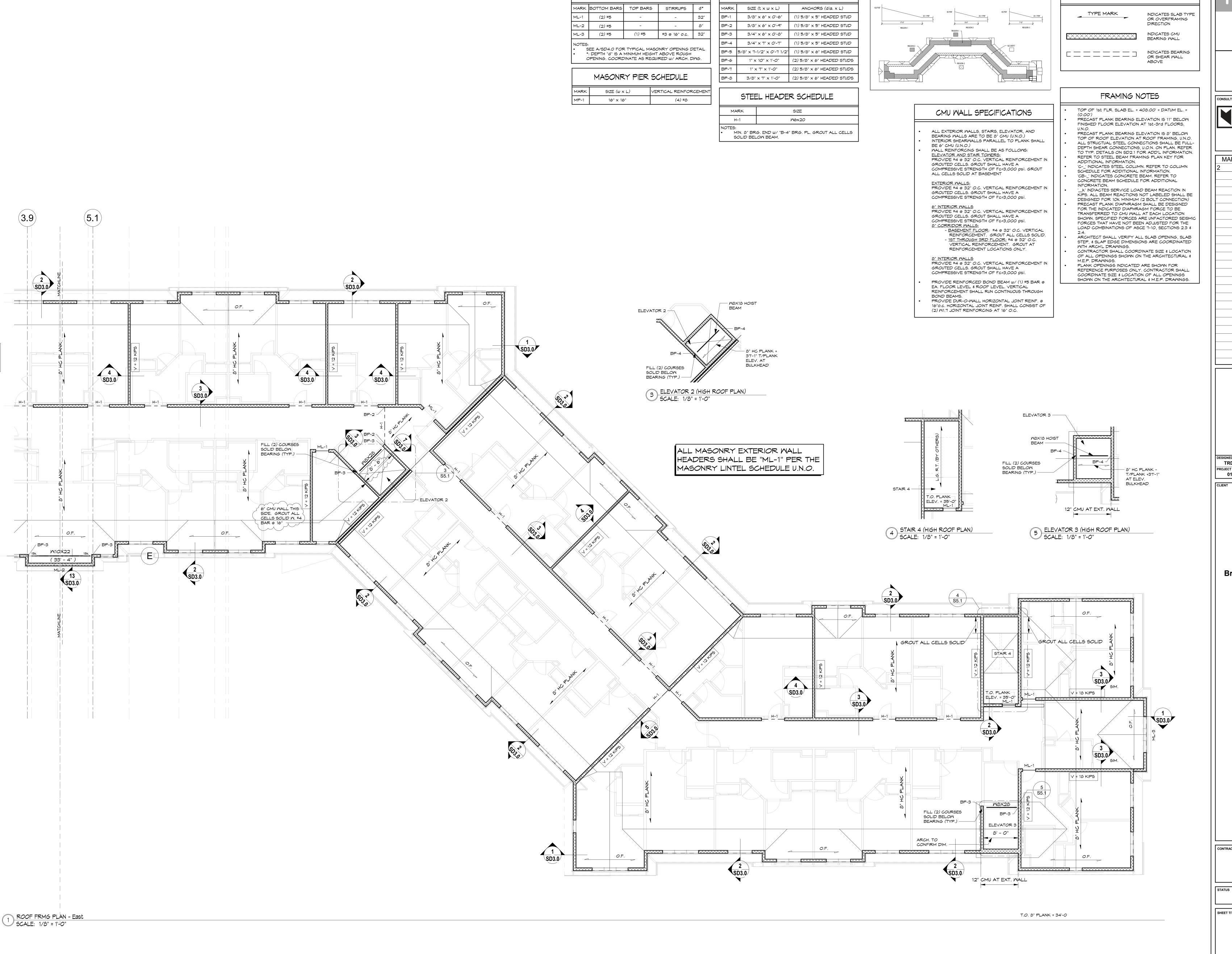
538 Broad Hollow Road, 4th Floor East Melville, NY 11747 631.756.8000 • www.h2m.com RESIDENTIAL STRUCTURAL ENGINEERING 300 Brookside Ave, Building 4 ► Ambler, PA 19002 p 215-646-8001 ► *mulhernkulp.com* MARK DATE DESCRIPTION Date 4220 Remission D2 PERMIT 06/03/22 ISSUE FOR BID TRD/KQ DTF/ARM KSS ATE: SCALE: AS SHOWN **MONTEBELLO REALTY GROUP LLC Braemar at Montebello Assisted** Living Residence **MONTEBELLO CROSSING 250 LAFAYETTE AVENUE** (NYS ROUTE 59) VILLAGE OF MONTEBELLO **NEW YORK ISSUE FOR BID ROOF FRAMING PLAN**

(33' - 4")

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

13 SD3.0

S5.0



MASONRY HEADER SCHEDULE

BEARING PLATE SCHEDULE

H 2 architects
H engineers

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SNOW DRIFT DIAGRAM

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TO NO: DATE: SCALE:

01/E-16001

03/29/2022

AS SHOWN

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REALTY GROUP LLC

Braemar at Montebello Assisted Living Residence

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

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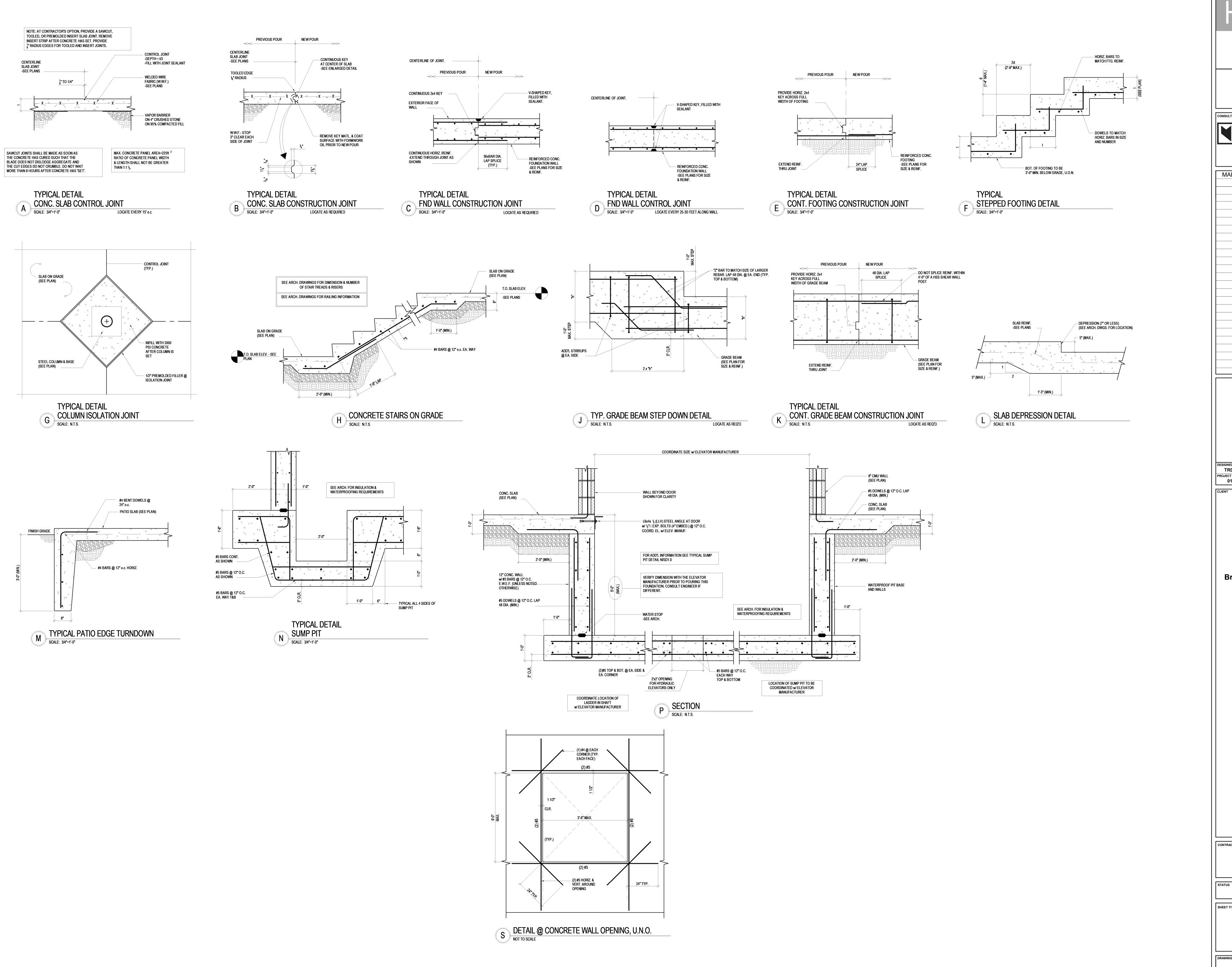
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ROOF FRAMING PLAN

S5.1

SHEET No. 21 2202/8/9



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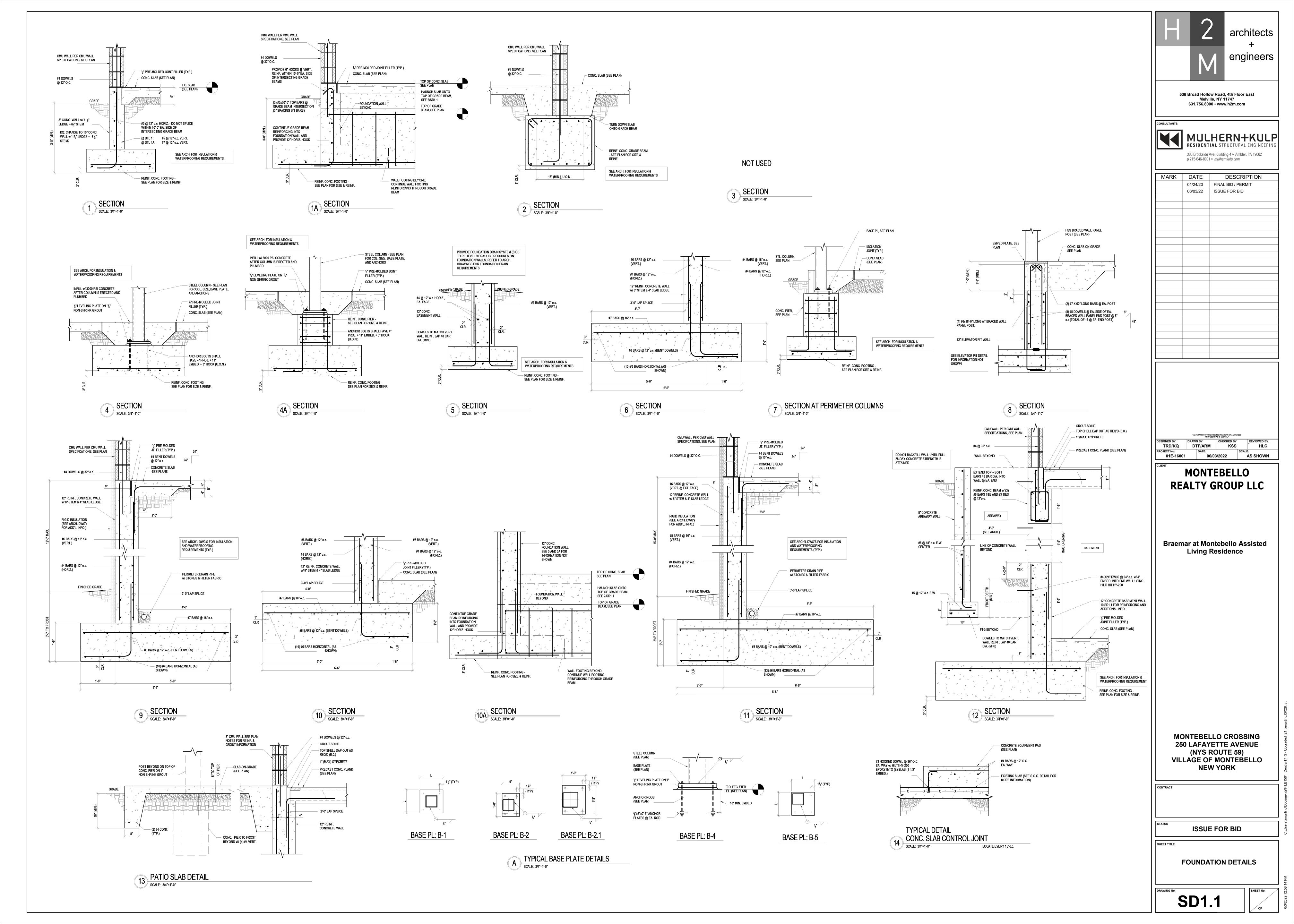
ISSUE FOR BID

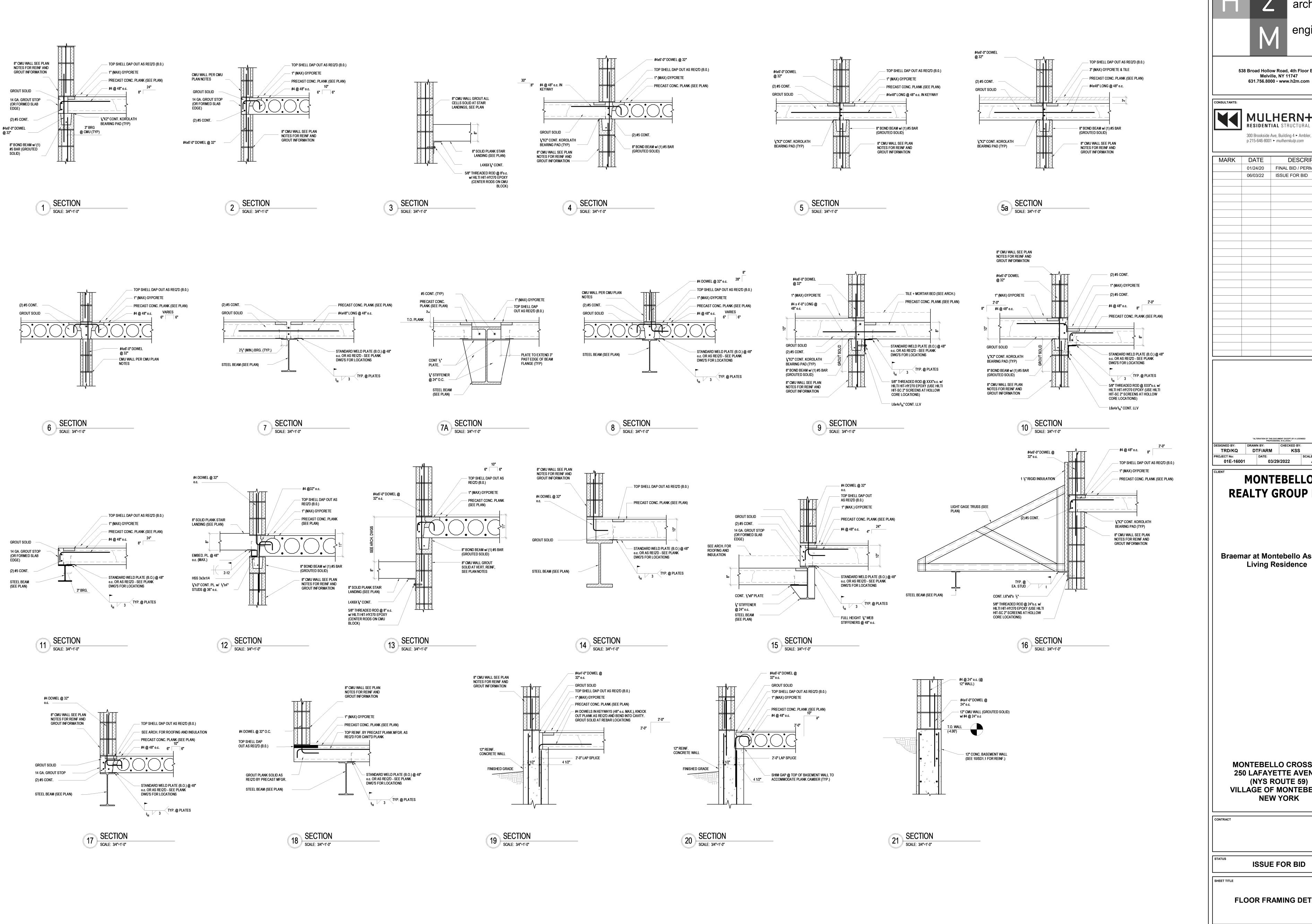
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TYPICAL FOUNDATIOND DETAILS

SD1.0

SHEET No.





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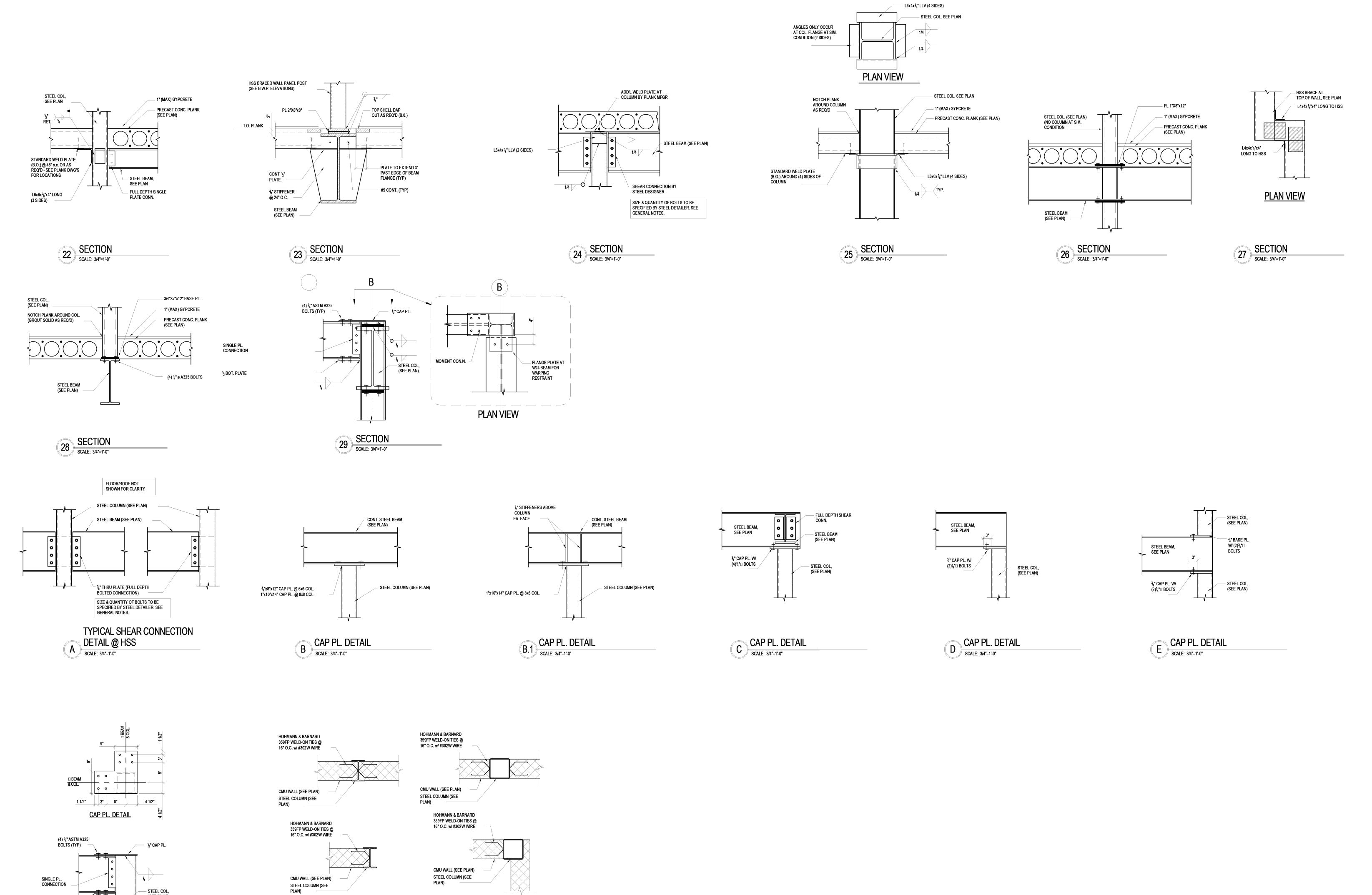
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FLOOR FRAMING DETAILS

SD2.0



— Steel Col, (See Plan)

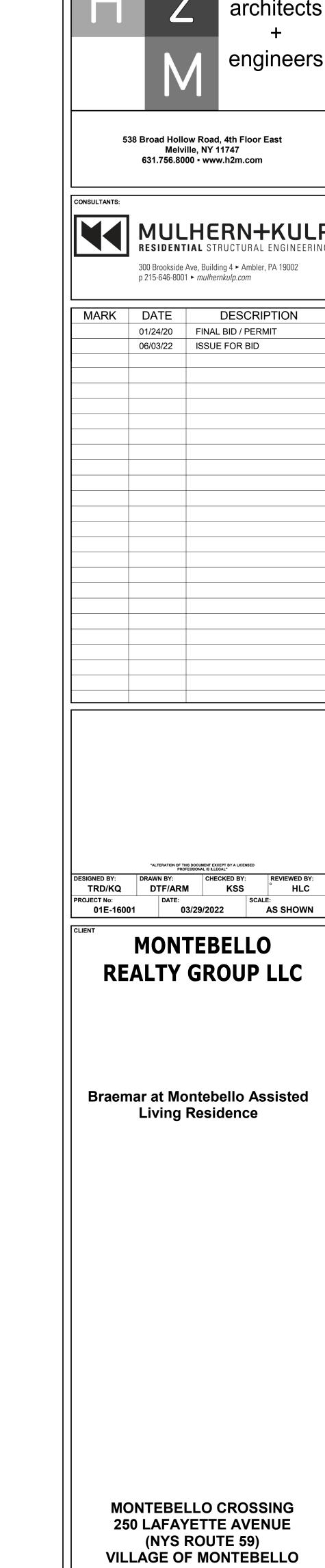
F MOMENT CONN. @ HSS COL.

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

TYPICAL MASONRY TIES AT COLUMNS

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

½ BOT. PLATE

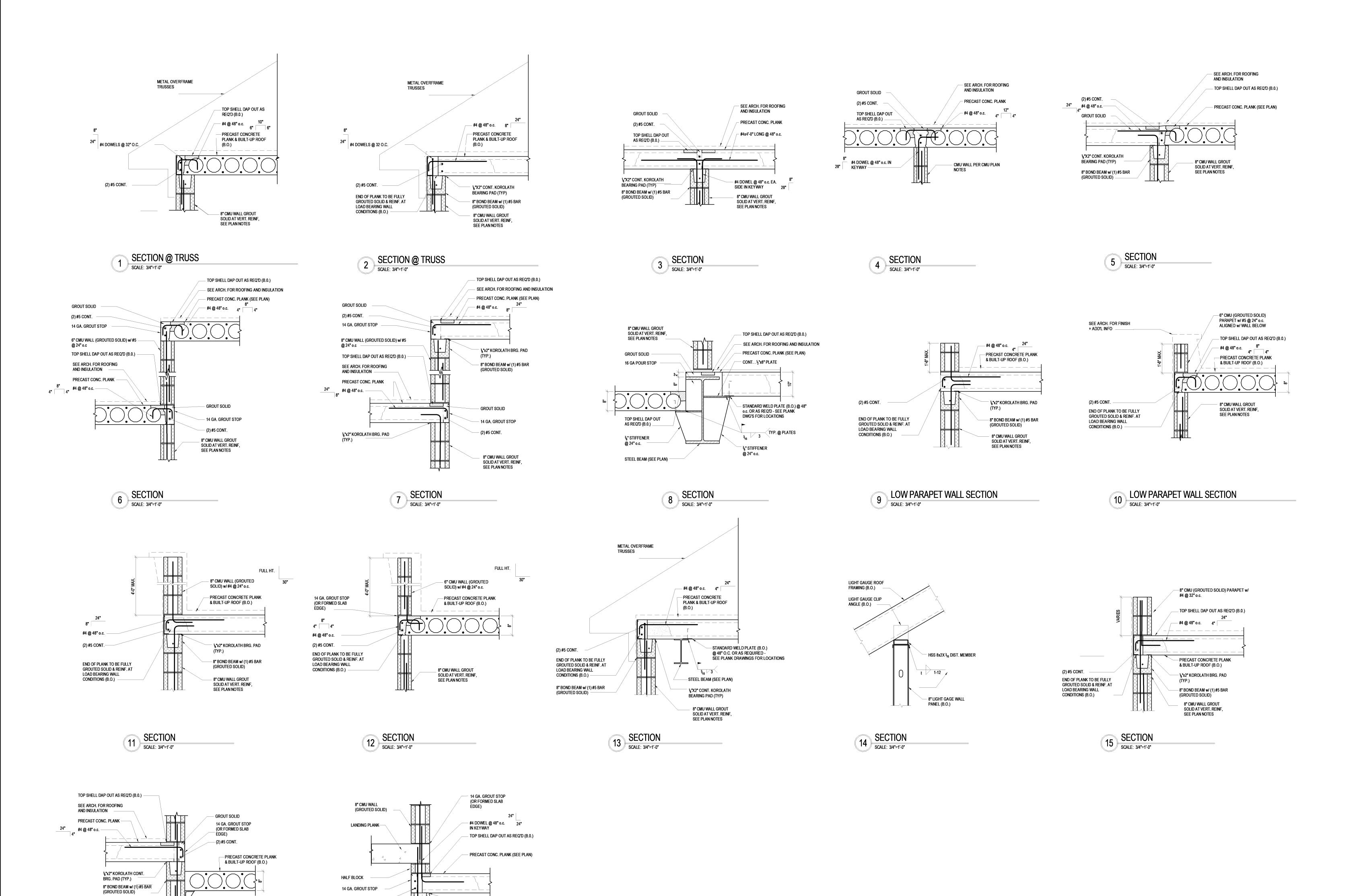


SD2.1

FLOOR FRAMING DETAILS

NEW YORK

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- 1, "X2" CONT. KOROLATH

8" CMU WALL GROUT

SOLID AT VERT. REINF, SEE PLAN NOTES

BEARING PAD (TYP)

(2) #5 CONT.

#5x5'-0" DOWEL @ 24" o.c.

8" BOND BEAM w/ (1)

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

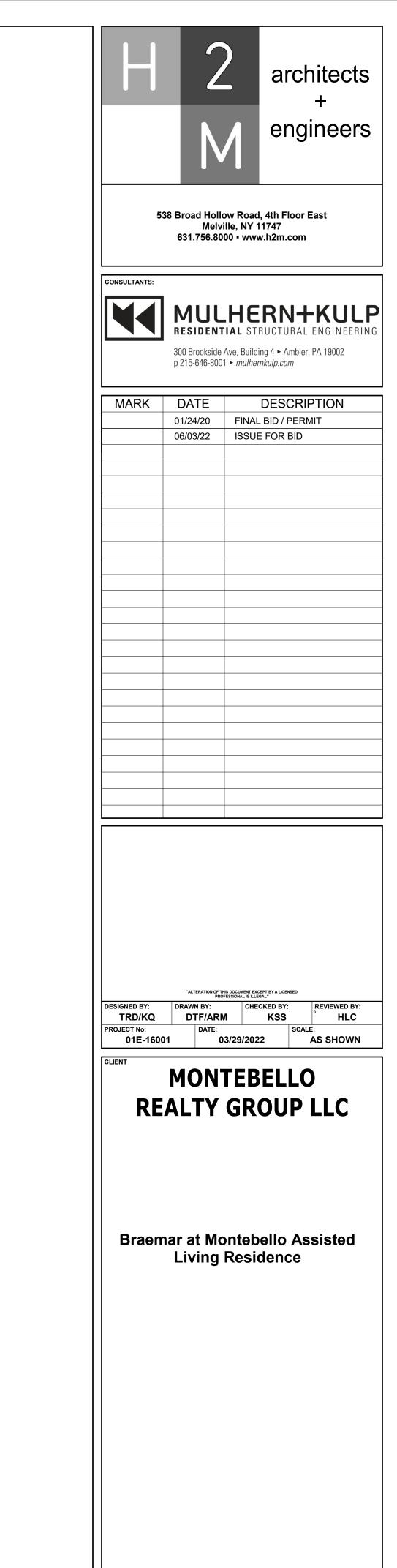
— 5/8" THREADED ROD @ 8"o.c. w/ HILTI HIT-HY270 EPOXY (USE HILTI HIT-SC 2" SCREENS AT HOLLOW CORE

L6x4x58" (LLV) (LENGTH TO MATCH

WALL WIDTH) W/38" STIFFENER

SOLID AT VERT. REINF, SEE PLAN NOTES

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



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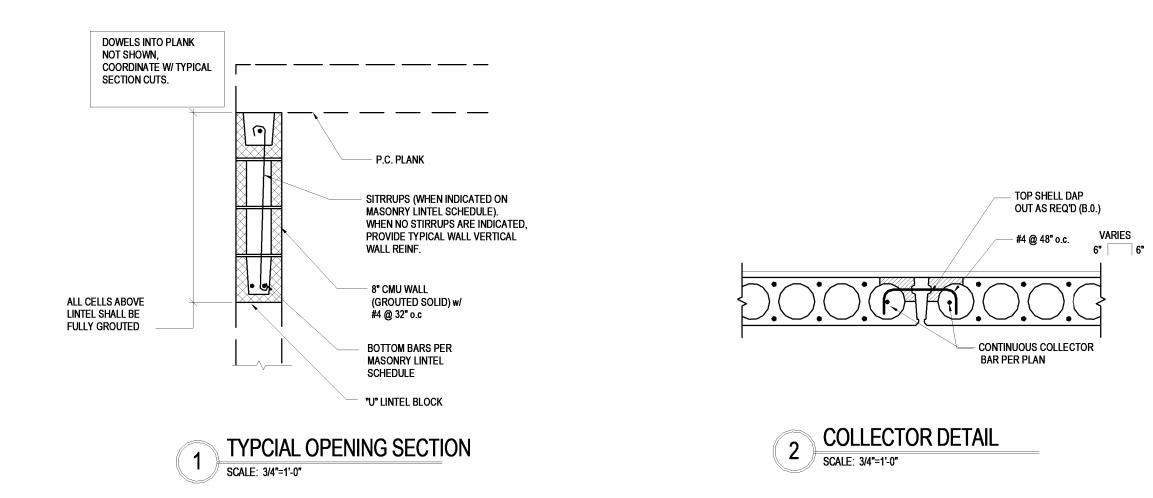
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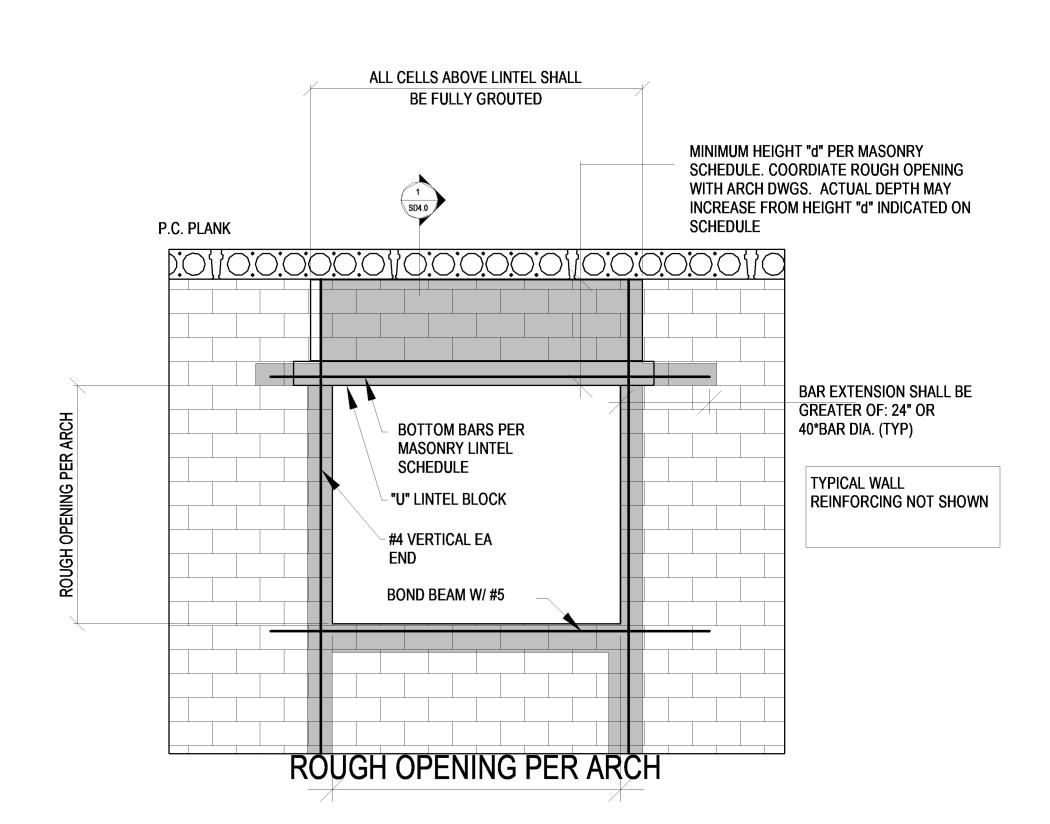
ROOF FRAMING DETAILS

SD3.0

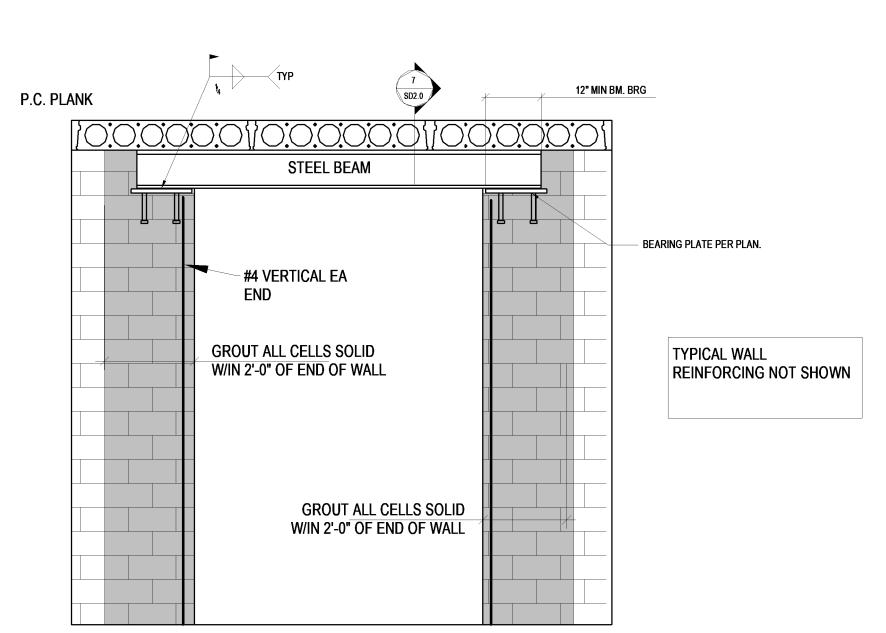
SHEET N

SHEET No.









B OPENING ELEVATION @ STEEL BEAM SCALE: N.T.S.

H 2 architects + engineers

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TRD/KQ	D.	ΓF/ARM	KSS		HLC	
PROJECT No:		DATE:		SCALE:		
01E-16001		03/2	29/22	AS SHOWN		

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CONTRACT

ISSUE FOR BID

SHEET TITLE

MASONRY OPENING DETAILS

SD4.0

JEET No.