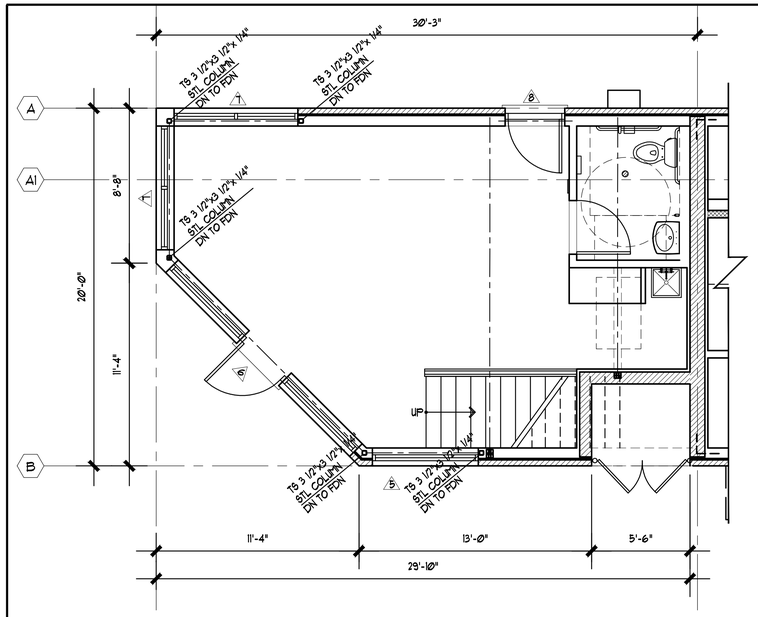
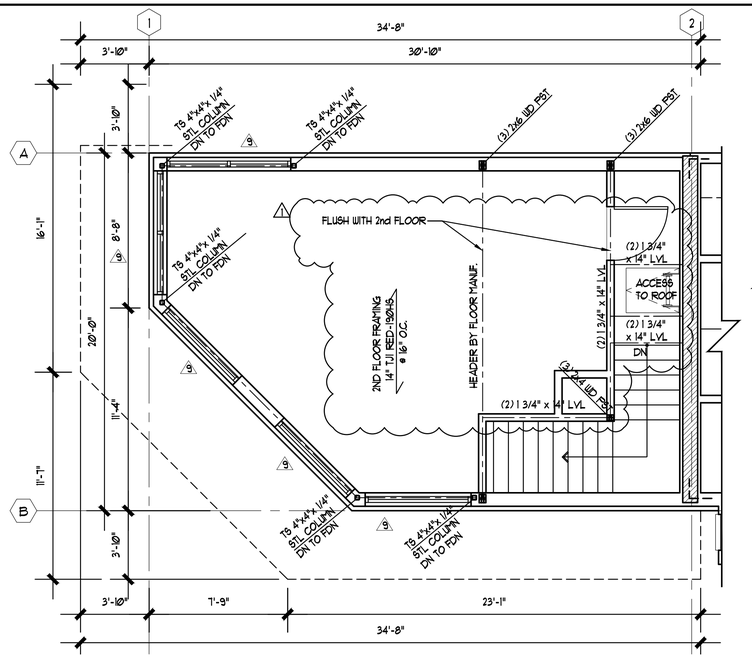


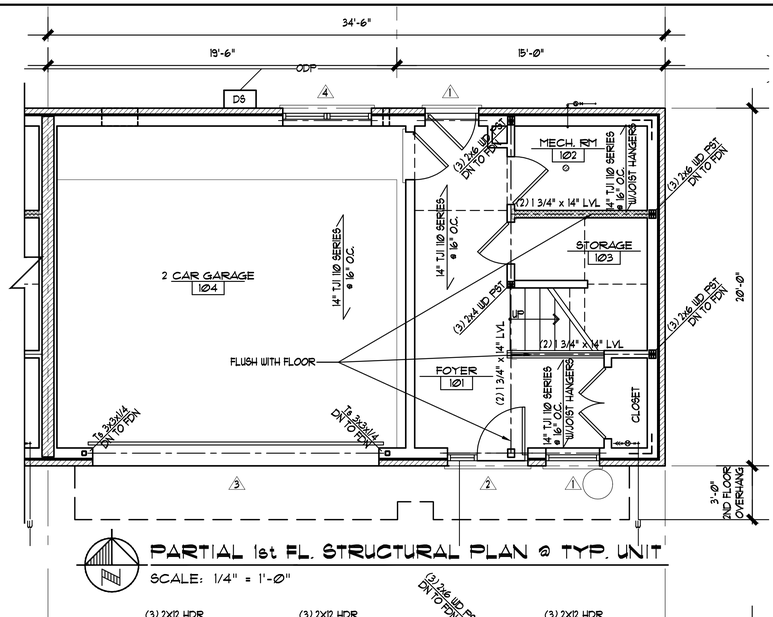
1st FL. STRUCTURAL PLAN @ COMMERCIAL AREA

SCALE: 1/4" = 1'-Ø"



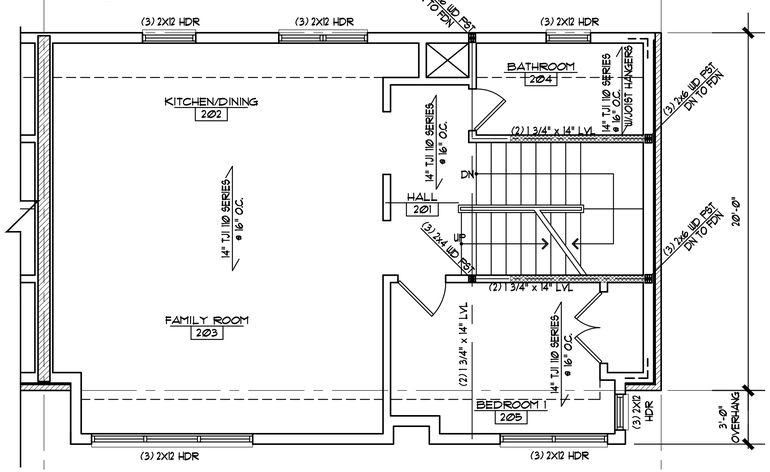
2nd FL. FRAMING PLAN @ COMMERCIAL AREA

SCALE: 1/4" = 1'-Ø"



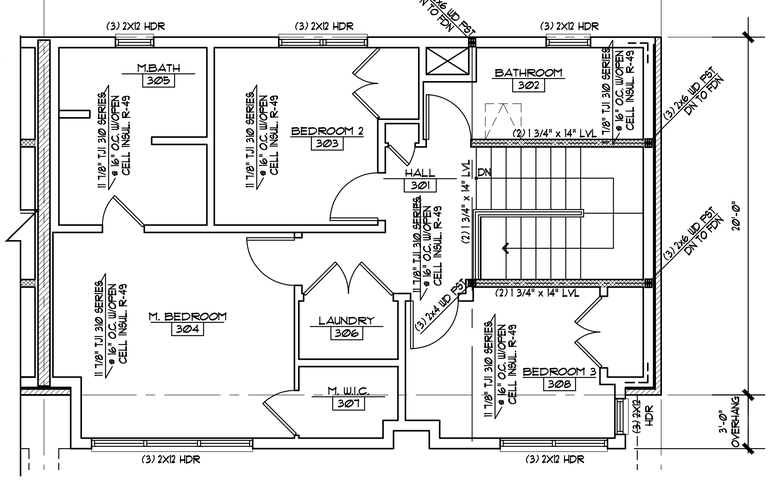
PARTIAL 1st FL. STRUCTURAL PLAN @ TYP. UNIT

SCALE: 1/4" = 1'-Ø"



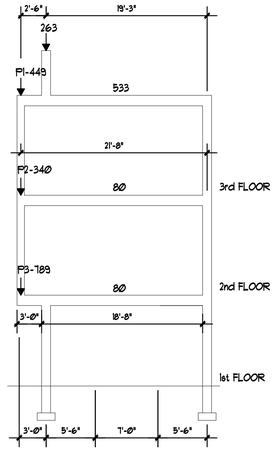
PARTIAL 2nd FL. STRUCTURAL PLAN @ TYP. UNIT

SCALE: 1/4" = 1'-Ø"



PARTIAL 2nd FL. STRUCTURAL PLAN @ TYP. UNIT

SCALE: 1/4" = 1'-Ø"

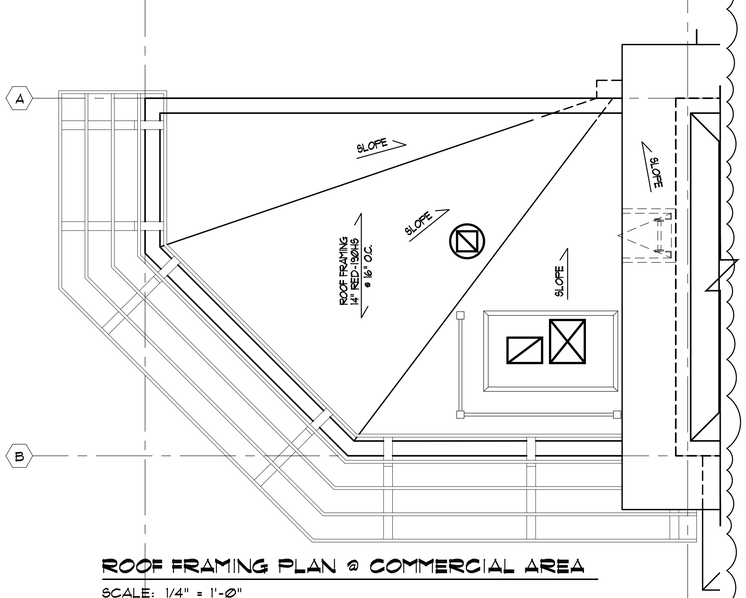


LOAD DIAGRAM

SCALE: NTS

LINTEL LEGEND @ RESIDENTIAL AREA			
TAG	SPAN	SIZE	BEARING
1	3'-Ø"	Ls 3 1/2x 3 1/2 x 5/16	6" BEARING
2	4'-6"	Ls 3 1/2x 3 1/2 x 5/16	6" BEARING
3	16'-Ø"	W18x35 w/ 1/4" TH. x 11" L FP	COLUMNS @ EA. END
4	5'-Ø"	Ls 3 1/2x 3 1/2 x 5/16	6" BEARING

LINTEL LEGEND @ COMMERCIAL AREA			
TAG	SPAN	SIZE	BEARING
5	5'-11"	W 18x35 w/ 1/4" TH. x 11" L FP	COLUMNS @ EA. END
6	14'-6 1/2"	W 18x35 w/ 1/4" TH. x 11" L FP	COLUMNS @ EA. END
7	6'-11"	W18x35 w/ 1/4" TH. x 11" L FP	COLUMNS @ EA. END
8	3'-4"	Ls 3 1/2x 3 1/2 x 5/16	6" BEARING @ EA. END
9	VARIES	(3) 2x12 HDR	COLUMNS @ EA. END



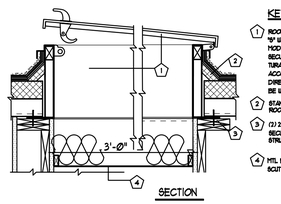
ROOF FRAMING PLAN @ COMMERCIAL AREA

SCALE: 1/4" = 1'-Ø"

NOTE: PREFAB TRUSS MANUFACTURE TO DESIGN BASED ON THE ROOF LOADS (DRIFT LOADS)

NOTE: DESIGN CRITERIA FOR COMMERCIAL AREA TO BE LL: 100 LBS/SQFT
DL: 20 LBS/AQFT

NOTE: OPEN WEB JOIST MANUFACTURE TO SUBMIT STRUCTURAL SIGNED & SEALED BY AN ILLINOIS LICENSED STRUCTURAL ENGINEER (TYPICAL FOR ALL FLOORS)



KEYED NOTES

1. ROOF SCUTTLE - 2'-6" X 3'-Ø", 2'-6" H. TYPE "H" WITH "LADDER-UP" SAFETY POST MODEL 2 BY BILCO COMPANY; SECURE SCUTTLE TO ROOF STRUCTURAL STEEL WITH THRU BOLTS ACCORDING TO MANUFACTURER'S DIRECTIONS. HINGE PINS ARE TO BE WELDED NON-REMOVABLE.
2. STANDARD 1" FIBER CANT, BUILT UP ROOFING, AND COUNTER FLASHING.
3. (2) 2x6 WD BLOCKING SECURE TO BUILDING ROOF STRUCTURE AS REQUIRED
4. MTL PLATE SECURED TO ROOF SCUTTLE FRAME

SCUTTLE DETAIL

SCALE: NTS

1
S-1.1

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I HEREBY CERTIFY THAT THIS PLAN AND SPECIFICATION WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ARCHITECT, UNDER THE LAWS OF THE STATE OF ILLINOIS AND THE VILLAGE OF SKOKIE CODES AND ORDINANCE THEY ARE IN COMPLIANCE WITH ALL APPLICABLE CODES INCLUDING THE ENVIRONTAL BARRIERS ACT (410-ILCS) AND THE ILLINOIS ACCESSIBILITY CODE, TITLE 71 (CODE 400) AS SIGNIFIED BY MY HAND AND SEAL.

NO.	REVISION
1.	PER CITY COMMENTS 12.12.2016
2.	PER CITY COMMENT 01.04.2017
3.	PER CITY COMMENT 01.30.2017
4.	PER IDOT REQUIREMENTS 01.31.2017

CERTIFICATION AND SEAL

DRAWING NAME: STRUCTURAL PLANS

PROJECT NAME: KANDU TOWNHOMES
8163 LINCOLN AVE
SKOKIE, ILLINOIS

FOR PERMIT ONLY

released to const
job no. 1651
scale AS SHOWN
date 10.14.2016
drawn by WW
checked by AF

sheet
S-1.1