

GENERAL NOTES:

- 1. ALL MATERIALS, ASSEMBLIES, FORMS, AND METHOD OF CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF CURRENT NEW JERSEY BUILDING CODE
2. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEVATIONS, SIZES AND FIELD CONDITIONS BEFORE FABRICATION AND TO BE RESPONSIBLE FOR FIT AND ALIGNMENT OF ALL NEW WORK...

FOUNDATION NOTES:

- 1. FOUNDATION DESIGN IS BASED ON ASSUMED BEARING CAPACITY OF 5,000 PSF.
2. FOUNDATION WALLS ARE NOT DESIGNED AS FREESTANDING WALLS. DO NOT PLACE ANY BACKFILL AGAINST WALLS UNLESS CELLAR AND FIRST FLOOR CONSTRUCTION HAS BEEN COMPLETED, AND HAS REACHED DESIGN STRENGTH.

SITE WORK:

- 1. UN-BRACED EXCAVATIONS SHALL BE SLOPED NO GREATER THAN (2) HORIZONTAL TO (1) VERTICAL OR PER OSHA STANDARDS
2. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE MINIMUM OF 4'-0" BELOW EXTERIOR AND SHALL PROJECT 1'-0" INTO UNDISTURBED VIRGIN SOIL OR ENGINEERED FILL.

CONCRETE NOTES:

- 1. ALL CONCRETE SHALL BE CONTROLLED STONE CONCRETE COMPLYING ALL ACI 318 BUILDING CODE REQUIREMENTS, OF A MINIMUM ULTIMATE COMPRESSIVE STRENGTH AT 28 DAYS OF 5,000 PSI FOR STRUCTURAL SLAB AND COLUMNS.
2. ALL CONCRETE MIX DESIGN SHALL BE PROPORTIONED IN ACCORDANCE WITH SECTION 5.3 (FIELD EXPERIENCE) OR SECTION 5.4 (TRIAL BATCHES) OF ACI.

CAST IN PLACE CONCRETE:

- 1. CAST IN PLACE CONCRETE SHALL BE READY MIX PER ASTM C94. THE MIX SHALL BE PROPORTIONED WITH:
a. PORTLAND CEMENT - ASTM C150
b. AGGREGATES - ASTM C33 WITH 0.75 INCH MAXIMUM DIAMETER

CONCRETE COVER:

THE MINIMUM CLEAR COVER FOR REINFORCEMENT BARS SHALL BE ONE BAR DIAMETER OR THE VALUES TABULATED BELOW, WHICHEVER CONCRETE STRENGTH IN THE FIELD.

Table with 2 columns: Cover Type and Thickness. Includes rows for Slab-On-Grade Top Bars (1"), Slab-On-Grade Bottom Bars (3"), and Tied Piers (Clear Dimension to Ties) Surface Exposed to Earth and Weather (2").

FOOTING AND GRADE BEAMS: BOTTOM SURFACES (3") SIDES (FORMED) (3") SIDES (PLACED AGAINST EARTH) (3") TOP SURFACE (FOR TOP BARS) (1 1/2")

WALLS: SURFACE EXPOSED TO EARTH (2") SURFACE EXPOSED TO WEATHER (1 1/2")

CONCRETE TESTING:

- 1. OWNER SHALL EMPLOY A TESTING LABORATORY TO CAST AND TEST ONE SET OF 4 CYLINDERS FOR EVERY 50 CUBIC YARDS OF CONCRETE POURED. IF LESS THAN 50 CUBIC YARDS ARE PLACED IN ONE DAY, 4 CYLINDERS SHALL BE CAST. SLUMP TESTS SHALL BE MADE ON EVERY TRUCK (3" MINIMUM, 5" MAXIMUM), CYLINDERS TO BE TESTED AT 7 AND 28 DAYS. SUBMIT 3 COPIES OF TEST RESULTS TO THE ENGINEER.
2. CYLINDERS AND SLUMP TESTS SHALL BE MADE BY THE TESTING LABORATORY OR ONE FAMILIAR WITH THE CORRECT TESTING PROCEDURE.

MASONRY:

- 1. ALL CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF NEW JERSEY STATE INTERNATIONAL BUILDING CODE AND THE "NATIONAL CONCRETE MASONRY ASSOCIATION" (NCMA) SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY, AND TO THE LATEST EDITION OF ACI 530. "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES".
2. HOLLOW LOAD BEARING UNITS SHALL CONFORM TO ASTM C90, NORMAL WEIGHT, TYPE I WITH A MINIMUM NET COMPRESSIVE UNIT STRENGTH OF 1900 PSI. (NET AREA COMPRESSIVE MASONRY STRENGTH fm=1500 PSI).

BRICK VENEER:

- 1. ALL BRICK VENEER CONSTRUCTION TO BE IN ACCORDANCE WITH ACI 530 "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES", THE BRICK INSTITUTE OF AMERICA AND 2015 IBC REQUIREMENTS.
2. BRICK VENEER SHALL BE DESIGNED AND DETAILED BY THE ARCHITECT/CONTRACTOR TO ALLOW FOR DIFFERENTIAL MOVEMENT, RESULTING FROM WOOD SHRINKAGE, AT ALL OBJECTS ATTACHED TO THE WOOD FRAMING AND EXTEND INTO THE VENEER INCLUDING DOORS, WINDOWS, BEAMS, TRIM, ETC.

SPECIAL NOTES REGARDING THE BRICK VENEER:

- 1. THE WOOD PORTIONS OF THIS BUILDING HAVE BEEN DESIGNED WITH UP TO 4 STORIES OF BRICK VENEER. DUE TO THE NATURE OF THE MATERIALS BEING USED, THIS CAN LEAD TO LONG TERM MAINTENANCE ISSUES, SETTLEMENT ISSUES, AND LEAKAGE ISSUES. IT IS IMPERATIVE THAT ALL PARTIES TAKE THE PROPER CARE TO MINIMIZE THE RISKS ASSOCIATED WITH THIS WORK.
2. DO NOT INSTALL BRICK VENEER UNTIL THE BUILDING HAS BEEN FULLY ENCLOSED AND LOADED WITH DRYWALL IN ORDER TO REDUCE THE LONG TERM SETTLEMENT.

POST INSTALLED ANCHORS:

- 1. ALL DRILLED HOLES SHALL BE THOROUGHLY CLEANED, INSPECTED, AND INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. WE RECOMMEND HILTI "SAFE SET" OR SIMPSON "SPEED CLEAN NDS" SYSTEM WITH HOLLOW DRILL BIT TO ENSURE PROPER INSTALLATION.
2. SPACING AND EDGE DISTANCE OF CONNECTIONS ARE CRITICAL TO ENSURE PROPER STRENGTH. FOLLOW DETAIL'S, CONTACT SER FOR ANY UNCLEAR AREAS.

Table 1: Loading Schedule. Columns: Component, Area (Cellar, 1st Floor, 2nd Floor, 3rd Floor, 4th Floor, Attic/Roof). Rows: Finish, Sheathing, Framing, Ceiling, Mech. & Elect., Roofing & Insul., Mis., Total Dead Load, Live Load, Total Load.

Table with 2 columns: Component and Value. Rows: Corridor Live Load (100 PSF), Stairs Live Load (100 PSF), Roof Concentrated Live Load (300 LBS).

CODES AND STANDARDS:

THE 2021 OR THE LATEST EDITION OF THE FOLLOWING CODES AND STANDARDS SHALL APPLY TO THE DESIGN, CONSTRUCTION AND QUALITY CONTROL OF ALL WORK PERFORMED ON THE PROJECT.

- a. UNIFORM CONSTRUCTION CODE OF NEW JERSEY
b. INTERNATIONAL BUILDING CODE, NEW JERSEY EDITION
c. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19) AMERICAN CONCRETE INSTITUTE
d. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16) AMERICAN SOCIETY OF CIVIL ENGINEERS

ROOF SNOW LOAD

Table with 2 columns: Load Type and Value. Rows: Ground Snow Load (51 PSF), Snow Load Importance Factor (1.0), Thermal Factor (1.0), Exposure Factor (1.0), Flat Roof Snow Load (35 PSF).

WIND LOAD

Table with 2 columns: Parameter and Value. Rows: Basic Wind Speed (114 MPH), Structural Occupancy Category (II), Wind Importance (1.15), Wind Exposure (B), Analysis - Analytical Procedures.

Table with 2 columns: Component and Cladding, and Wind Pressure (Zone 4 and 5). Rows: Wind Pressure (33 PSF), Wind Pressure (39 PSF).

SEISMIC LOAD (ASCE 7-16 STANDARD)

Table with 2 columns: Parameter and Value. Rows: Seismic Importance (I), Seismic Occupancy Category (II), Mapped Spectral Response Accelerations (0.281g), Spectral Response Coefficients (0.210g), Seismic Design Category (B), Lateral Resisting System (D), Response Modification Coefficient (5), Design Base Shear (250 KIPS).

DEFLECTION CRITERIA

LONG TERM DEFLECTION = L/240
LIVE LOAD DEFLECTION = L/360

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151 WEST PASSAIC STREET
ROCHELLE PARK NJ 07662
TEL: 201-906-6359
AK@AKARCHUSA.COM

OWNER / APPLICANT:

STRUCTURAL ENGINEER:

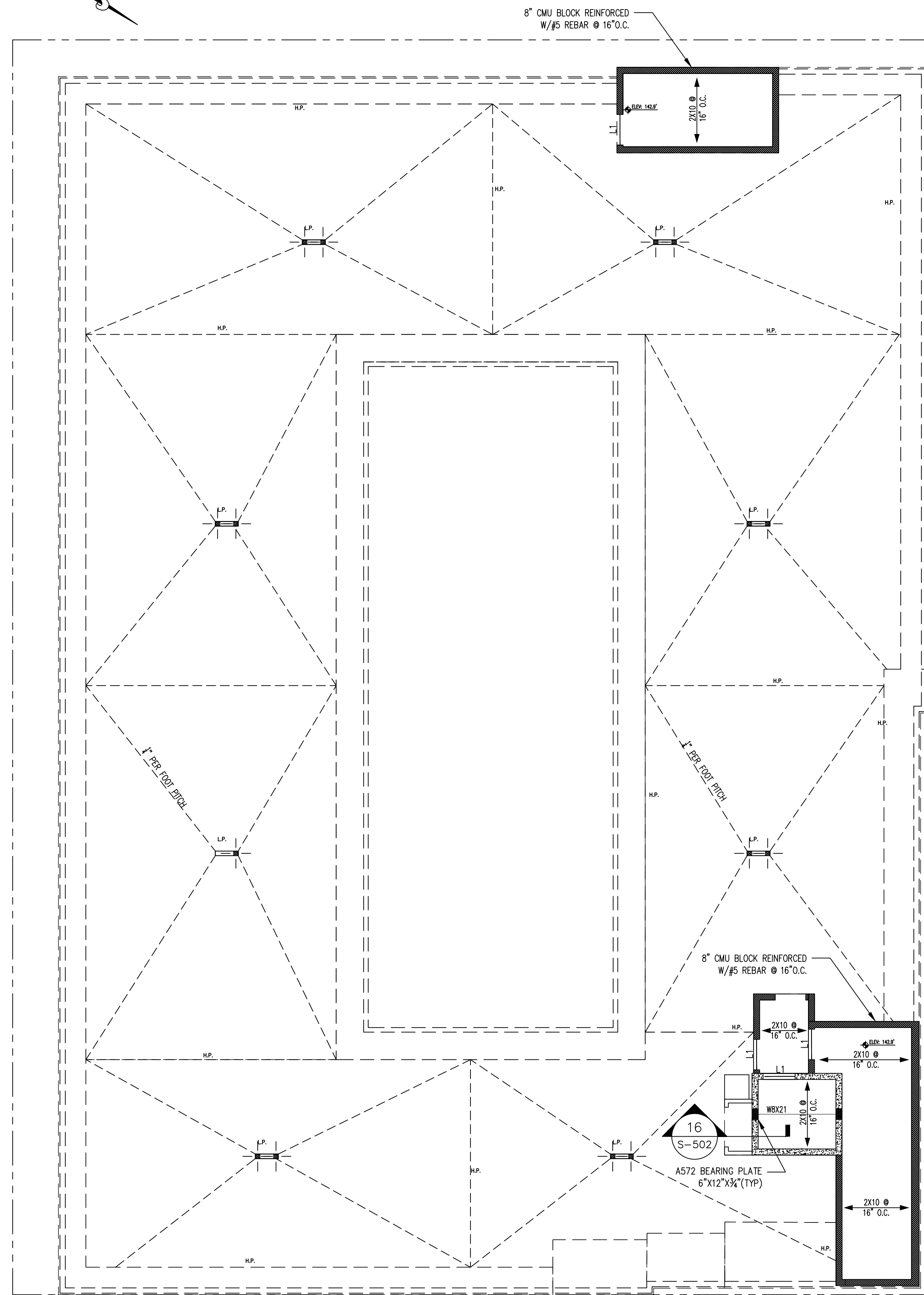
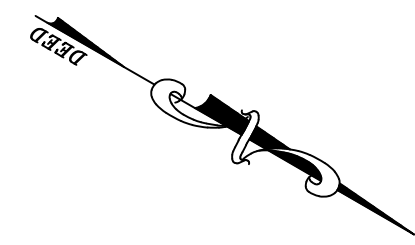
SEPC StructureTech Engineering
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T: 973-523-9900
admin@structurtech.us

Table with 3 columns: No., Date, Description. Includes project address: 108-114 NORTH 7TH STREET, PATERSON, NJ.

DRAWING NAME:
PROJECT #:

GENERAL NOTES - I

Table with 2 columns: BLDG DEPT REF.# and SCALE: AS NOTED. Includes drawing number S-001 and a professional engineer seal for Omar Elsharif.



NOTES:

1. TOP OF FLOOR ELEVATION, SEE ARCH. DWG.
2. EXTERIOR BEARING WALLS TO BE 2X6 @ 16" O.C.
3. INTERIOR BEARING WALLS TO BE (2)-2X4 @ 16" O.C.
4. ALL NON-BEARING WALLS TO BE 2x4 @ 16" O.C.
5. L1 - LINTEL: PRECAST CONCRETE LINTELS
6. PROVIDE DOUBLE STUDS (MIN.) AT EACH SIDE OF OPEN'G.
7. PROVIDE 5 1/2"x5 1/2" PSL POST, ON EACH END OF PSL/LVL BEAMS.
8. PROVIDE DOUBLE JOISTS MINIMUM UNDER EACH PARTITION WALL.
9. STAIR FRAMING BY OTHER, SEE ARCH. DWG.

LEGEND:

1. INDICATES 18" WOOD TRUSS @ 16" O.C.
2. INDICATES 2X10 FLOOR JOISTS @ 16" O.C.
3. INDICATES SHEAR WALL HOLDDOWN (HD)

P-6 BULKHEAD FRAMING PLAN
SCALE: 1/8"=1'-0"

BULKHEADS WOOD STUD WALL FRAMING SCHEDULE						
WALL TYPE	ITEM	STUD SIZE AND SAPONG	STUD TYPE	SHEATHING	FASTENER SIZE	FASTENER SPACING
EW56	EXTERIOR 6"	2"x6" AT 16" O.C.	SINGLE STUD	EXTERIOR 3/4" OSB SHEATHING INTERIOR 1/2" GYPSUM BOARD	8D WOOD NAILS #6 X 1 1/2" DRYWALL SCREW	EDGE @ 3" O.C. - FIELD @ 6" O.C. EDGE @ 6" O.C. - FIELD @ 8" O.C.
DW56	INTERIOR 6" DEMISING	2"x6" AT 16" O.C.	SINGLE STUD	TWO LAYERS 1/2" GYPSUM BOARD EACH SIDE	#7 X 2 1/4" DRYWALL SCREW	EDGE @ 4" O.C. - FIELD @ 8" O.C.
CW56	INTERIOR 6" CORRIDOR	2"x6" AT 16" O.C.	SINGLE STUD	ONE LAYER 1/2" GYPSUM BOARD EACH SIDE	#6 X 1 1/2" DRYWALL SCREW	EDGE @ 4" O.C. - FIELD @ 8" O.C.

HEADER/BEAM SCHEDULE			
MARK	SIZE	JACK STUD	KING STUD
H1	3-2x12 W/ 2-1/2" PLYWOOD SPACERS	3-2x6	2-2x6
H2	3-2x10 W/ 2-1/2" PLYWOOD SPACERS	3-2x6	2-2x6
B1	5 1/2"x9 1/2" PSL BEAM	5 1/2"x5 1/2" PSL POST OR 4-2x6	
B2	5 1/2"x11 1/2" PSL BEAM	5 1/2"x5 1/2" PSL POST	

POST SCHEDULE	
MARK	SIZE
P1	5 1/2"x5 1/2" PSL POST



ARCHITECT:
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No.	Date	Description

PROJECT ADDRESS:
108-114 NORTH 7TH STREET
PATERSON, NJ
BLOCK: 414 LOTS: 1 & 21

DRAWING NAME :
BULKHEAD FRAMING PLAN

BLDG DEPT REF.# :
SCALE: AS NOTED

OMAR ELSHERIF
NJ LIC. NO. GE47630
DATE: 02/05/2026
DRAWING #

S-500

PROJECT # :

