

1. CONTRACTOR SHALL ADHERE TO CLIENT CONSTRUCTION SPECIFICATIONS, UNLESS NOTED OTHERWISE. CONTRACTOR SHOULD NOTE THAT ADDITIONAL CONSTRUCTION NOTES AND SPECIFICATIONS ARE INCLUDED ON INDIVIDUAL DRAWINGS.
2. THIS PLAN SET HAS A LIST OF GENERAL ABBREVIATIONS AND SYMBOLS AND MATERIALS LEGENDS LISTED ON IT. SOME SYMBOLS, MATERIALS, AND ABBREVIATIONS MAY NOT BE UTILIZED ON THIS SPECIFIC PROJECT.
3. ALL CONSTRUCTION SHALL BE PERFORMED PER THE LATEST EDITION OF THE I.S.P.W.C., THE CITY OF McCALL SUPPLEMENTAL STANDARDS, AND THESE PLANS AND SPECIFICATIONS. SOME EXCEPTIONS TO THE CITY STANDARDS SUCH AS WATERLINE BURY DEPTH AND USE OF AV-TEK DOUBLE ECCENTRIC BUTTERFLY VALVES HAVE BEEN PRE-APPROVED BY THE CITY. WHERE OTHER CONTRADICTIONS EXIST, THE MORE STRINGENT POLICY SHALL BE USED AS DETERMINED BY THE CITY AND ENGINEER.
4. CONTRACTOR SHALL PROVIDE A ONE (1) WEEK NOTICE TO ENGINEER, OWNER, AND PROPERTY OWNERS PRIOR TO BEGINNING ANY CONSTRUCTION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING OSHA STANDARDS FOR TRENCH EXCAVATIONS.
6. DEPTH OF COVER SHALL BE A MINIMUM OF 5 FEET 6 INCHES MEASURED FROM THE FINISHED GRADE GROUND SURFACE TO THE TOP OF THE PIPE UNLESS OTHERWISE SHOWN ON THE PLANS. PIPES SHALL BE LOWERED, AS REQUIRED, TO AVOID CONFLICTS WITH EXISTING UTILITIES AND TO MAINTAIN SPECIFIED AND REQUIRED SEPARATIONS.
7. GATE VALVE AND CURB STOP BOXES, IF ANY, SHALL BE SET AS SHOWN IN THE CONSTRUCTION DETAILS, AS APPLICABLE.
8. EXCESS EXCAVATED MATERIAL INCLUDING PIPE, STUMPS, ROOTS, SOIL MATERIALS, ASPHALT AND CONCRETE PAVEMENT, SIDEWALK, CURB AND GUTTER, AND ANY OTHER ITEMS THE CITY DOES NOT WISH TO SALVAGE SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF PROPERLY, INCIDENTAL TO THE CONTRACT.
9. CONTRACTOR SHALL BE REQUIRED TO CLEAN STREETS AND SIDEWALKS AND REPAIR ALL DAMAGE TO THE CONDITION THEY WERE IN PRIOR TO THE START OF CONSTRUCTION. ALL REPAIRS AND CLEANING WILL BE COMPLETED BEFORE PAYMENT FOR ASSOCIATED BID ITEMS WILL BE MADE.
10. ALL BOLTS AND ANCHOR BOLTS INSTALLED THROUGHOUT THE PROJECT SHALL BE STAINLESS STEEL, UNLESS OTHERWISE NOTED IN THE DRAWINGS AND SPECIFICATIONS.
11. CONTRACTOR SHALL SALVAGE A MINIMUM DEPTH OF 6 INCHES OF EXISTING TOPSOIL FROM SITE, FREE FROM VEGETATION, FOR REPLACEMENT DURING RESTORATION.
12. CONTRACTOR TO PROVIDE AND MAINTAIN ADEQUATE DEWATERING EQUIPMENT TO REMOVE AND DISPOSE OF ANY SURFACE AND GROUNDWATER ENTERING THE TRENCH.
13. THE CONTRACTOR SHALL PROVIDE MARKER TAPE IN ALL TRENCHES AND TRACER WIRE ON ALL ON SITE WATER PIPE.
14. THE AERIAL PHOTOGRAPHY SHOWN ON THE CONSTRUCTION PLAN SHEETS MAY NOT REFLECT CURRENT CONDITIONS. THEREFORE, ACTUAL FIELD CONDITIONS MAY VARY FROM THOSE DISPLAYED IN THE CONSTRUCTION PLANS.
15. ITEMS NOT INCLUDED IN THE BID FORM AS A PAY ITEM BUT INCLUDED ELSEWHERE IN THE PLANS SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND SHALL BE CONSIDERED INCIDENTAL ITEMS.
16. DEFLECTIONS FROM A STRAIGHT LINE OR GRADE ARE TO BE MADE WITH FITTINGS, DEFLECTED JOINTS, SHORTER PIPE SECTIONS, OR A COMBINATION OF THESE METHODS TO CONFORM TO THE ALIGNMENT AND PROFILE INDICATED ON THE DRAWINGS AND SPECIFIED. DEFLECTED JOINTS ARE NOT TO EXCEED THE VALUES SPECIFIED FOR THE PIPE JOINT. CONTRACTOR TO SUBMIT METHOD TO MEASURE DEFLECTION OF PIPE JOINTS.
17. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS.
18. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE.
19. CONTRACTOR SHALL INCORPORATE PROPER EROSION CONTROL MEASURES.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DEFICIENCIES WITH THE INSTALLATION OF ALL THE PIPELINES AND ALL APPURTENANCES INSTALLED ON THE PROJECT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER.
21. CONTRACTOR SHALL FOLLOW THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) STANDARDS AND GUIDES FOR TRAFFIC CONTROL FOR STREET AND HIGHWAY CONSTRUCTION.
22. THE CONTRACTOR SHALL FOLLOW THE U.S. DEPARTMENT OF TRANSPORTATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING AND GAINING APPROVAL OF ANY NECESSARY TRAFFIC CONTROL PLANS. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL THROUGHOUT THE ENTIRETY OF THE PROJECT IF PUBLIC TRAFFIC IS AFFECTED BY CONSTRUCTION ACTIVITIES.
23. CONTRACTOR SHALL LIMIT ALL WORK TO WITHIN THE CONSTRUCTION LIMITS AND SHALL NOT IMPEDE TRAFFIC ON ROADWAYS.
24. CONTRACTOR SHALL MAINTAIN INGRESS/EGRESS ACCESS TO INDIVIDUAL PROPERTY OWNERS AT ALL TIMES. CONTRACTOR SHALL COORDINATE DETOURS AND ANY TEMPORARY CLOSURES WITH EACH PROPERTY OWNER. CONTRACTOR SHALL KEEP DURATION OF ALL CLOSURES AND DETOURS TO A MINIMUM.

- CONTRACTOR SHALL NOTIFY ALL PROPERTY OWNERS A MINIMUM OF 24 HOURS PRIOR TO ANY WATER SERVICE DISRUPTIONS. SERVICE DISRUPTIONS SHALL BE KEPT TO A MINIMUM.
26. THE CONTRACTOR SHALL UTILIZE HAND TAMPERS AND PNEUMATIC TAMPERS TO OBTAIN THE REQUIRED COMPACTION OF THE PIPE BED AND THE BACKFILL, AS SPECIFIED.
27. THE CONTRACTOR SHALL PROVIDE ALL APPROPRIATE HOISTING EQUIPMENT TO HANDLE THE PIPE WHILE UNLOADING AND PLACING IT IN ITS FINAL POSITION WITHOUT DAMAGE TO THE PIPE. PIPE, FITTINGS, VALVES, AND OTHER ACCESSORIES SHALL, UNLESS OTHERWISE DIRECTED, BE UNLOADED AT THE POINT OF DELIVERY, HAULED TO AND DISTRIBUTED AT THE SITE OF THE PROJECT BY THE CONTRACTOR. MATERIALS SHALL AT ALL TIMES BE HANDLED WITH CARE TO AVOID DAMAGE. UNDER NO CIRCUMSTANCES SHALL ANY MATERIALS BE DROPPED. PIPE HANDLED ON SKIDWAYS MUST NOT BE SKIDDED OR ROLLED AGAINST PIPE ALREADY ON THE GROUND. IN DISTRIBUTING THE MATERIALS AT THE SITE OF WORK EACH PIECE SHALL BE UNLOADED OPPOSITE OR NEAR THE PLACE WHERE IT IS TO BE LAID IN THE TRENCH. MATERIALS SHALL BE HANDLED IN SUCH A MANNER THAT NO DAMAGE TO THE PIPE WILL RESULT.
28. NON-POTABLE WATER PIPELINE CROSSINGS: ALL NON-POTABLE WATER PIPELINE CROSSINGS SHALL BE INSTALLED WITH A MINIMUM OF 18" VERTICAL SEPARATION BETWEEN PIPE OUTSIDE WALLS. ALL POTABLE PIPELINE SHALL BE INSTALLED ABOVE NON-POTABLE WHEN POSSIBLE. POTABLE PIPELINES INSTALLED ABOVE AND WITHIN 5 FEET OF A NON-POTABLE PIPELINE, AND ALL POTABLE PIPELINES INSTALLED BELOW A NON-POTABLE PIPELINE SHALL HAVE A FULL 20-FOOT LENGTH OF POTABLE PIPELINE CENTERED ON THE NON-POTABLE PIPELINE. WHEN POTABLE PIPELINES ARE INSTALLED BENEATH AN EXISTING NON-POTABLE PIPELINE THE NON-POTABLE PIPELINE SHALL BE REPLACED BY A FULL 20-FOOT LENGTH OF NON-POTABLE PIPELINE CENTERED OVER THE POTABLE PIPELINE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. THIS PROCEDURE SHALL ALSO BE FOLLOWED FOR INSTALLATIONS OF NON-POTABLE PIPE. IF A POTABLE WATER PIPELINE IS INSTALLED BELOW A NON-POTABLE WATER PIPELINE, THE NON-POTABLE WATER PIPELINE MUST BE SUPPORTED THROUGH THE CROSSING TO PREVENT SETTLING PER IDAPA 58.01.08.542.07.c.iii.(2).
29. NON-POTABLE PIPELINES AND/OR POTABLE PIPELINES THAT IS TO BE PLACED PARALLEL TO EACH OTHER SHALL HAVE A MINIMUM HORIZONTAL SEPARATION OF 10 FEET.
30. CUTTING PIPE: CUTTING SHALL COMPLY WITH PIPE MANUFACTURER'S RECOMMENDATIONS. CUTS SHALL BE SMOOTH, STRAIGHT, AND AT RIGHT ANGLES TO PIPE AXIS. SHARP CORNERS SHALL BE REMOVED AND THE PIPE BEVELED TO MANUFACTURER'S RECOMMENDATION.
31. CONTRACTOR SHALL INSTALL ALL PIPE WITH PIPE BEDDING AS INDICATED IN THE DETAILS, UNLESS OTHERWISE NOTED IN THE DRAWINGS AND SPECIFICATIONS.
32. RESTRAINING REQUIREMENTS: ALL VALVES, TEES, CROSSES, AND BENDS SHALL BE CONNECTED TO THE WATER MAIN WITH AN APPROVED JOINT RESTRAINT. COSTS OF ALL RESTRAINTS SHALL BE INCIDENTAL TO THE FITTINGS.
33. POTABLE WATER MAIN TEST: NEWLY LAID WATER MAIN SHALL BE HYDROSTATICALLY PRESSURE TESTED AT 150 PSI FOR TWO (2) HOURS. LEAKAGE SHALL NOT EXCEED 5% PRESSURE DROP FOR 1 HOUR.
- * PRESSURE SHALL BE MAINTAINED AT PLUS OR MINUS (±) 5% OF SPECIFIED TEST PRESSURE FOR DURATION OF TEST.
34. AFTER THE CONTRACTOR HAS COMPLETED THE INSTALLATION OF THE UTILITIES AND ANY CLEANUP ITEMS, CONTRACTOR SHALL MAKE A WRITTEN REQUEST TO THE ENGINEER FOR A FINAL INSPECTION. UPON RECEIPT OF THIS REQUEST, THE ENGINEER WILL SET A DATE AND TIME FOR THE FINAL INSPECTION. DURING THE FINAL INSPECTION, GATE VALVES WILL BE CHECKED TO SEE IF THEY ARE ACCESSIBLE AND OPERABLE. ANY DEFICIENCIES FOUND WILL PROMPTLY BE CORRECTED BEFORE FINAL PAYMENT WILL BE MADE. THE FINAL INSPECTION REQUEST FORM IS ATTACHED AS PART OF THE SPECIFICATIONS.
- ## UTILITY NOTES
1. THE APPROXIMATE LOCATION OF KNOWN EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE PLANS. OTHER UNKNOWN UTILITIES MAY EXIST. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES OR REPAIRING ANY DAMAGE WHICH OCCURS BECAUSE OF THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING UTILITIES. NOT ALL OVERHEAD UTILITIES, PERMANENT OR TEMPORARY, ARE SHOWN ON THE PLANS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, ELEVATION, SIZE, AND MATERIAL OF THE EXISTING UNDERGROUND PIPING AT THE POINTS OF CONNECTION. APPROVED TRANSITIONS SHALL BE USED TO MAKE ALL CONNECTIONS. PRECISE LOCATION AND ARRANGEMENT OF CONNECTIONS OF NEW PIPELINES WITH EXISTING PIPELINES ARE TO BE FIELD VERIFIED. PROVIDE FITTINGS, ADAPTERS, SOLID SLEEVE CLOSURES, HARNESSSED MECHANICAL COUPLINGS, AND ROTATE FITTINGS, AND DEFLECT JOINTS AS REQUIRED TO MAKE CONNECTIONS. PROVIDE TEMPORARY PLUG WITH FACTORY OUTLET SIZED AS REQUIRED FOR CONTRACTOR'S TESTING AND DISINFECTION WORK BEFORE MAKING CONNECTION. ANY DIFFERENT FITTINGS NECESSARY TO MAKE ALL CONNECTIONS SHALL BE INCIDENTAL.
3. THE PROTECTION, TEMPORARY SUPPORT, ADJUSTMENT, OR REQUIRED RELOCATION OF ANY UTILITIES AND STRUCTURES (UNDERGROUND, SURFACE, OR OVERHEAD) IS TO BE COORDINATED WITH THE CONTRACTOR AND THE OWNER OF EACH UTILITY BEFORE CONSTRUCTION/INSTALLATION IS STARTED.
4. EARTHWORK ACTIVITIES ARE NOT ALLOWED OUTSIDE CONSTRUCTION LIMITS OR R.O.W. UNLESS APPROVED BY THE ENGINEER.
5. TRENCH BOX TECHNIQUES SHALL BE UTILIZED TO LIMIT WIDTHS OF OPEN-CUT TRENCHES.
6. WHERE EXISTING UTILITY WIRES (TELEPHONE, ELECTRIC, FIBER OPTIC) ARE LOCATED ADJACENT TO OR ABOVE THE PROPOSED WORK, CONTRACTOR SHALL TEMPORARILY

7. UNKNOWN UTILITIES ARE ANTICIPATED TO EXIST WITHIN THE PROJECT AREA AND ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL LOCATE ALL UTILITIES AND COMPLETE ALL PROJECT WORK WHILE PROTECTING UTILITIES. PROTECTION OF UTILITIES SHALL BE INCIDENTAL TO THE PROJECT.

8. SHOULD GROUND WATER BE ENCOUNTERED DURING EXCAVATION, THE GENERAL CONTRACTOR SHALL MAKE PROVISIONS TO DE-WATER EXCAVATION AS NECESSARY TO MAINTAIN SAFE WORKING CONDITIONS. DE-WATERING WATER SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT IMPACT ADJACENT PROPERTIES.

1. CONTRACTOR SHALL COORDINATE SUPPORT OF UTILITY CROSSINGS AND/OR EXISTING UTILITY RELOCATIONS WITH UTILITY COMPANY, TRAFFIC CONTROL ISSUES WITH THE OWNER, AND MOBILITY ISSUES WITH OTHER CONSTRUCTION SITES IN THE AREA.

2. CONTRACTOR SHALL COORDINATE THE OPERATION OF EXISTING PIPELINES, VALVES, AND HYDRANTS WITH CITY PERSONNEL. GREAT CARE MUST BE USED IN OPERATING VALVES AND HYDRANTS ON THE EXISTING WATER SYSTEM. ANY MAIN BREAKS CAUSED BY CONTRACTOR WILL BE CORRECTED AND PAID FOR BY CONTRACTOR.

3. CONTRACTOR SHALL PRESSURE TEST PIPELINE AND REPAIR ANY LEAKS. CONTRACTOR MUST PROVIDE ENGINEER 48 HOURS NOTICE PRIOR TO TESTING.

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REMOVE, STORE, AND REPLACE ANY EXISTING TRAFFIC SIGNS AFFECTED BY CONSTRUCTION ACTIVITY. ANY SIGNS DAMAGED OR LOST AS A RESULT OF THE PROJECT WILL BE REPLACED BY THE CONTRACTOR AND THE COST FOR REPLACEMENT SHALL BE DEDUCTED FROM THE CONTRACTOR'S FINAL PAYMENT.

2. MISCELLANEOUS ITEMS SUCH AS AND NOT LIMITED TO, MAILBOXES, STREET LIGHTS, TRAFFIC LIGHTS, SIGNS, FENCES, POLES, TREES, ETC. SHALL BE PROTECTED OR REMOVED AND REINSTALLED BY THE CONTRACTOR INCIDENTAL TO THE CONTRACT.

3. PROTECTION OR REMOVAL OF TREES, SHRUBS, AND LANDSCAPING IS TO BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SHALL BE COORDINATED WITH THE ENGINEER AND THE PROPERTY OWNER.

4. CONTRACTOR MUST RE-ESTABLISH ANY DISTURBED PROPERTY PINS OR CONTROL POINTS WITH SERVICES OF REGISTERED LAND SURVEYOR (RLS) REGISTERED IN Ohio. CONTRACTOR MUST SUBMIT CERTIFICATE OF SURVEY FOR EACH PROPERTY WITH RE-ESTABLISHED PROPERTY PINS. THE COST FOR RLS SERVICES SHALL BE INCIDENTAL.

5. ANY EXISTING STRUCTURES DISTURBED BY CONSTRUCTION, INCLUDING CURB AND GUTTER, CONCRETE AND BITUMINOUS ROADS AND SIDEWALKS, FENCING, RETAINING WALLS, ETC., ARE TO BE RESTORED TO THEIR ORIGINAL LOCATION AND CONDITION.

NO.	DRAWING INDEX
SN-1	GENERAL NOTES AND DRAWING INDEX
SN-2	STRUCTURE NOTES
S-1	FOUNDATION AND SLAB PLAN DETAIL
S-2	1ST FL.HEADER LAYOUT PLAN
S-3	2ND FL.HEADER LAYOUT PLAN
S-4	1ST FL.WALL BRACING PLAN
S-5	2ND FL.WALL BRACING PLAN
S-6	1ST FL.FRAMING PLAN AND DETAILS
S-7	2ND FL.FRAMING PLAN AND DETAILS
S-8	ROOF FRAMING PLAN AND DETAILS
S-9	CONSTRCUCTION DETAILS
S-10	FRAMING DETAILS
S-11	TYPICAL DETAILS

#	DATE	REVISION	BY

The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

PREPARED FOR:

SHEET TITLE

GENERAL NOTES

SCALE _____
DRAWN BY HE-DM-GA
CHECKED BY _____
START DATE _____
JOB NO. _____

SHEET NUMBER
SN-1

1. DESIGN AND CONSTRUCTION OF THIS PROJECT IS PER THE 2018 "INTERNATIONAL BUILDING CODE (IBC)" WITH THE INCLUSION OF LOCAL AMENDMENTS
2. REFER TO PROCESS, ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION RELATED TO: DIMENSIONS, ELEVATIONS, SLOPES, DOOR AND WINDOW OPENINGS, NON-BEARING WALLS, STAIRS, FINISHES, DRAINS, WATERPROOFING, RAILINGS, MECHANICAL UNIT LOCATIONS, INSERTS, EMBEDDED ITEMS, ANCHORAGES, AND OTHER NON-STRUCTURAL ITEMS
3. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR: COORDINATING DETAILS, ACCURACY OF THE WORK, VERIFICATION OF ALL QUANTITIES AND DIMENSIONS, SELECTING FABRICATION PROCESSES, MEANS AND METHODS OF CONSTRUCTION, AND FOR PERFORMING THE WORK IN A SAFE AND SECURE MANNER
4. STRENGTH AND STABILITY OF THE STRUCTURE DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. PROVIDE TEMPORARY SHORING, BRACING, AND OTHER ELEMENTS REQUIRED TO MAINTAIN STABILITY UNTIL THE STRUCTURE IS COMPLETE
5. DISCREPANCIES WITHIN THE CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK
6. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS AT THE SITE, INCLUDING FOUNDATIONS. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
7. NO STRUCTURAL MEMBER SHALL BE CUT OR NOTCHED OR OTHERWISE REDUCED IN STRENGTH UNLESS APPROVED BY THE ENGINEER OF RECORD.
8. CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL WORK IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
9. PROTECT EXISTING CONSTRUCTION FROM DAMAGE DURING CONSTRUCTION OF NEW ADDITIONS. MAKE NO CUTS OR ALTERATIONS TO EXISTING CONSTRUCTION, OTHER THAN THOSE SHOWN ON THE DRAWINGS, WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER. PATCHING SHALL MATCH THAT OF WORK PREVIOUSLY COMPLETED.

1. GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE PROJECT
2. FOOTINGS HAVE BEEN DESIGNED FOR THE ALLOWABLE SOIL BEARING. PRESSURE INDICATED WITHIN THE DESIGN CRITERIA AND LOADS TABLE AND SHALL BE FIELD VERIFIED, WHEN ASSUMED VALUES ARE NOTED, WITH THE PROJECT ENGINEER.
3. PROJECT ENGINEER SHALL INSPECT ALL SUBGRADES AND PREPARED SOIL BEARING SURFACES PRIOR TO PLACEMENT OF FOUNDATIONS.
4. FOUNDATIONS, WHERE PRESENT, SHALL BEAR ON EITHER COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL.
5. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER COLUMNS, PIERS, WALLS, ETC.
6. RETAINING WALLS HAVE BEEN DESIGNED FOR THE LISTED LATERAL EARTH PRESSURE AND SURCHARGE, ASSUMING A WELL GRADED AND DRAINED CONDITION.
7. PLACE ALL BACKFILL ACCORDING TO PROJECT SPECIFICATIONS. BRACE ALL WALLS AS REQUIRED PRIOR TO AND DURING THE PLACEMENT OF BACKFILL AND UNTIL SUPPORT FOR THE WALLS ARE IN PLACE.
8. PROTECT ALL FOUNDATIONS FROM THE ACTION OF WATER AND FREEZING.

1. POST INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER OF RECORD PRIOR TO USING POST INSTALLED ANCHORS FOR MISSING OR MISPLACED ANCHORS.
2. CARE SHALL BE TAKEN TO AVOID CONFLICTS WITH EXISTING REINFORCING WHEN DRILLING HOLES. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACING INDICATED WITHIN THE LITERATURE.

1. LAP SPLICES OF DEFORMED BARS SHALL BE CLASS B; SEE REINFORCING SPLICE AND DEVELOPMENT TABLE FOR LENGTHS, UNLESS OTHERWISE NOTED.
2. REINFORCING STEEL SHALL NOT BE WELDED.
3. ALL REINFORCING STEEL SHALL BE SUPPORTED ON STANDARD ACCESSORIES, HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING PLACEMENT OF CONCRETE. SUPPORTING ACCESSORY LEGS THAT REST ON CONCRETE SURFACES THAT WILL BE EXPOSED IN THE FINISHED STRUCTURE SHALL BE FABRICATED OF STAINLESS STEEL.
4. DOWELS AND OTHER MISCELLANEOUS STEEL EMBEDDED ITEMS SHALL BE LOCATED AND HELD IN SPECIFIED POSITION PRIOR TO PLACEMENT OF CONCRETE AND SHALL NOT BE PUSHED INTO CONCRETE FOLLOWING CONCRETE POUR.
5. PROVIDE 200' OF #5 REBAR & #6 IN 20' LENGTHS TO BE USED AS DIRECTED BY THE ENGINEER.

1. A CONCRETE MIX DESIGN FOR EACH UNIQUE COMBINATION OF STRENGTH, APPLICATION, COARSE AGGREGATE GRADATION, AND WATER CEMENT RATIO SPECIFIED SHALL BE PREPARED BY THE SUPPLIER OR AN INDEPENDENT TESTING LABORATORY AND BE SUBMITTED FOR REVIEW PRIOR TO CASTING ANY CONCRETE.
2. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED AND MAINTAINED ACCORDING TO ACI 347, "RECOMMENDED STANDARD PRACTICE FOR CONCRETE FORMWORK".
6. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK.
4. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 3/4" WHERE NOT SPECIFICALLY SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS.
5. UNLESS OTHERWISE NOTED, TOLERANCES FOR CONCRETE FORMWORK SHALL CONFORM TO ACI STANDARD 117, "STANDARD TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS".
6. DO NOT USE ADMIXTURES CONTAINING CALCIUM CHLORIDE.
7. CONCRETE CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE" AND ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE." CONFORM TO THE REQUIREMENTS OF ACI 308 "HOT WEATHER CONCRETING" OR ACI 306 "COLD WEATHER CONCRETING" WHEN WEATHER CONDITIONS DICTATE.
8. OPENINGS IN CONCRETE SHALL BE REINFORCED AS NOTED IN THE STANDARD DETAILS.
9. SEE STANDARD DETAILS FOR CORNER BAR REINFORCING AT WALL CORNERS.
10. PROVIDE DOWELS TO SUPPORTING MEMBER WITH BARS SIZED AND SPACED TO MATCH TYPICAL VERTICAL REINFORCING. DOWELS SHALL HAVE STANDARD HOOKS EMBEDDED INTO SUPPORTING CONCRETE WITH LAP SPICE TO VERTICAL REINFORCING, UNLESS NOTED OTHERWISE.
14. A 6 INCH GRANULAR BASE SHALL BE PROVIDED BETWEEN THE SLAB ON GRADE AND SUBGRADE. A VAPOR BARRIER SHALL BE PROVIDED AT ALL SLABS ON GRADE THAT RECEIVE MOISTURE SENSITIVE COATINGS/COVERINGS.
15. SEE STANDARD DETAILS FOR SLAB ON GRADE CONSTRUCTION AND CONTRACTION JOINTS.

CAST IN PLACE CONCRETE (NON-PRESTRESSED) COVER	
ACI 350 - ENVIRONMENTAL STRUCTURES	
UNLESS NOTED OTHERWISE ON DRAWINGS	COVER (in)
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
EXPOSED TO EARTH, LIQUID, WEATHER, OR BEARING ON WORK MAT OR SLABS SUPPORT EARTH COVER	
SLABS, JOISTS:	2
BEAMS, COLUMNS:	
STIRRUPS, SPIRALS, AND TIES	2
PRIMARY REINFORCEMENT	2 1/2
WALLS:	2
FOOTINGS, BASE SLABS:	
FORMED SURFACES	2
TOP OF FOOTINGS AND BASE SLABS	2
CONDITIONS NOT COVERED ABOVE	
SLAB, JOISTS:	
No. 11 AND SMALLER	3/4
No. 14 AND No. 18 BARS	1 1/2
BEAMS, COLUMNS:	
STIRRUPS, SPIRALS, AND TIES	1 1/2
PRIMARY REINFORCEMENT	2
WALLS:	
No. 11 AND SMALLER	3/4
No. 14 AND No. 18 BARS	1 1/2
SLAB ON GRADE / SLAB ON METAL DECK	CENTERED

WIND DESIGN (STRENGTH LEVEL, UNO)		
MAIN WIND FORCE RESISTING SYSTEM	BASIC WIND SPEED	V 120 MPH
	EXPOSURE CATEGORY	B
	BUILDING TYPE	ENCLOSED
	INTERNAL PRESSURE COEFFICIENT	GCP ±0.18
SEISMIC DESIGN		
	SEISMIC DESIGN CATEGORY	D
	SEISMIC FORCE RESISTING SYSTEM	N/A
	IMPORTANCE FACTOR	Ie 1.25
	SITE CLASS	C
	SPECTRAL RESPONSE ACCELERATION	Ss 0.423g
		S1 0.137g
	SPECTRAL DESIGN RESPONSE COEFFICIENT	Sds 0.412g
	Sd1 0.212g	

SOIL BEARING PRESSURE (STRIP FOOTING)	fbrg 2000 PSF
SOIL BEARING PRESSURE (PIER 5' EMBED)	fbrg 3000 PSF
SOIL BEARING PRESSURE (PIER >7' EMBED)	fbrg 4000 PSF
LATERAL EARTH PRESSURE (AT REST)	55 PSF
RETAINING WALL SURCHARGE	100 PSF

1. SEE GENERAL NOTES & SPECS FOR ADDITIONAL REQUIREMENTS

SHEET NUMBER
SN-2



#	DATE	REVISION	BY

The contractor shall verify and
be responsible for all dimensions
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writing of any variation from the
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by these drawings.

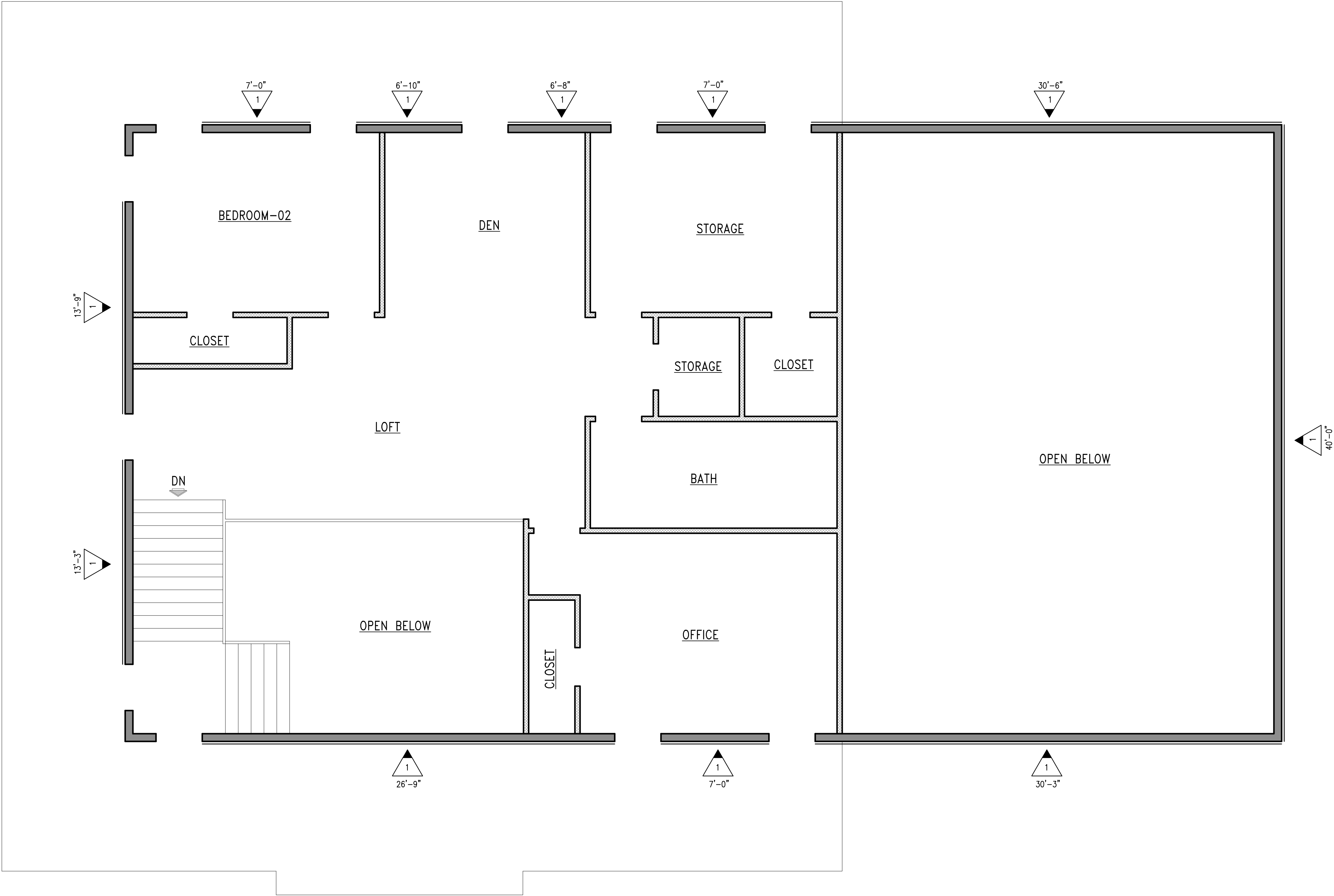
PREPARED FOR:

THE JEFFERS

SHEET TITLE
FOUNDATION AND SLAB PLAN

SCALE _____
DRAWN BY HE-DM-GA
CHECKED BY _____
START DATE _____
JOB NO. _____

SHEET NUMBER
S-1



5 SECOND FLOOR WALL BRACING PLAN
SCALE : 1/4"=1'-0"

#	DATE	REVISION	BY

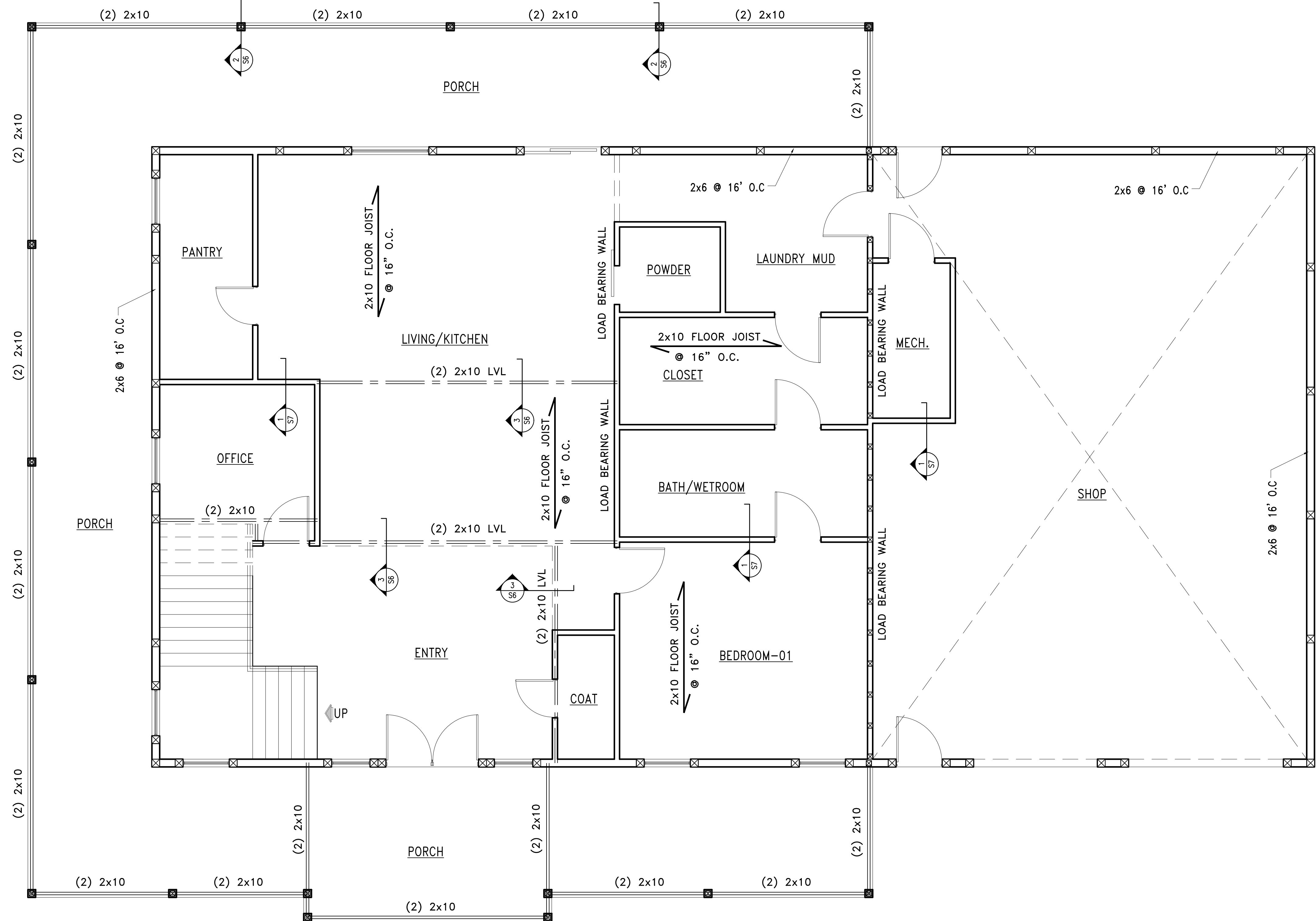
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PREPARED FOR:
THE JEFFERS

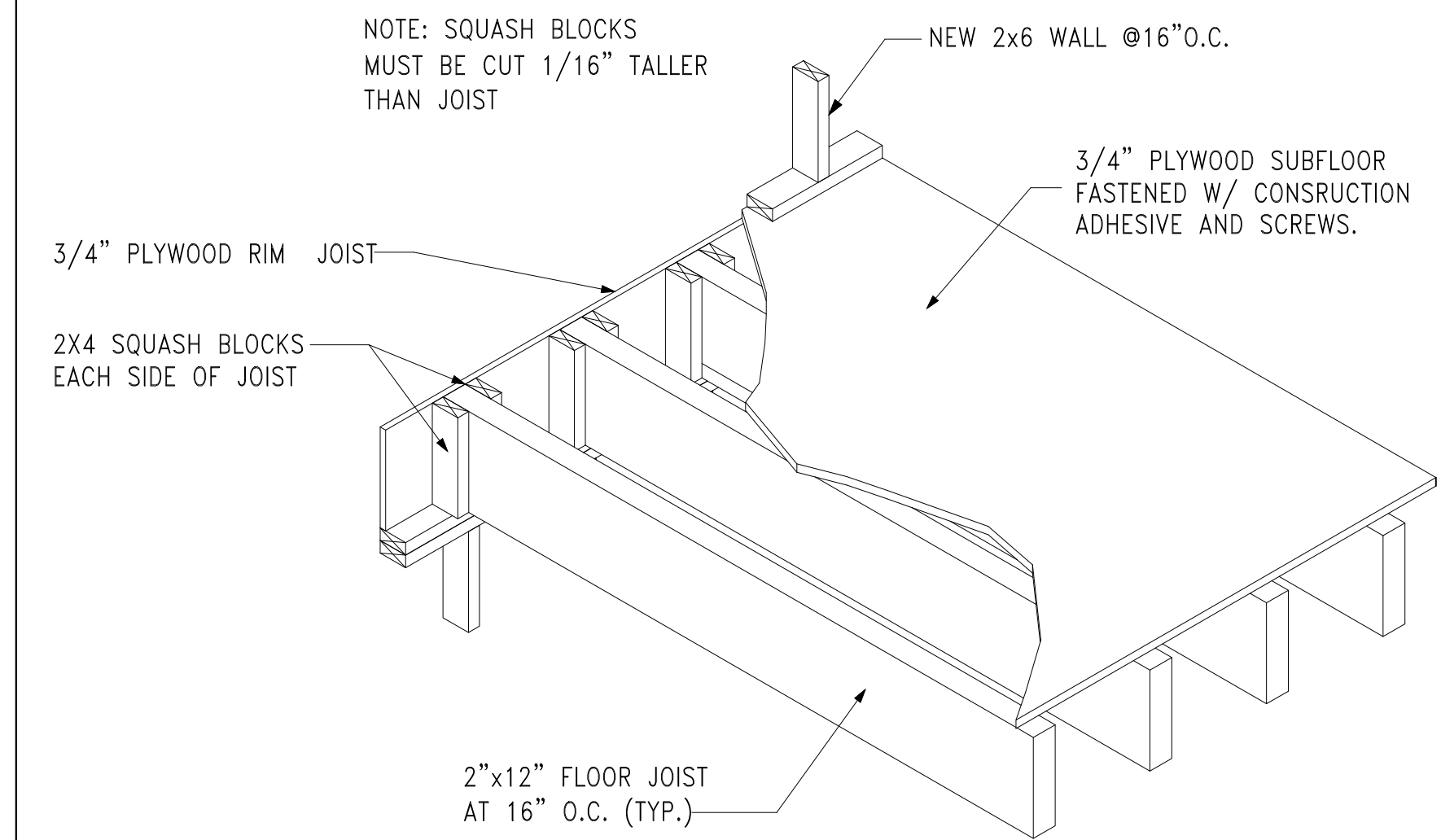
SHEET TITLE
**2ND FL.WALL
BRACING PLAN**

SCALE
DRAWN BY HE-DM-GA
CHECKED BY
START DATE
JOB NO.

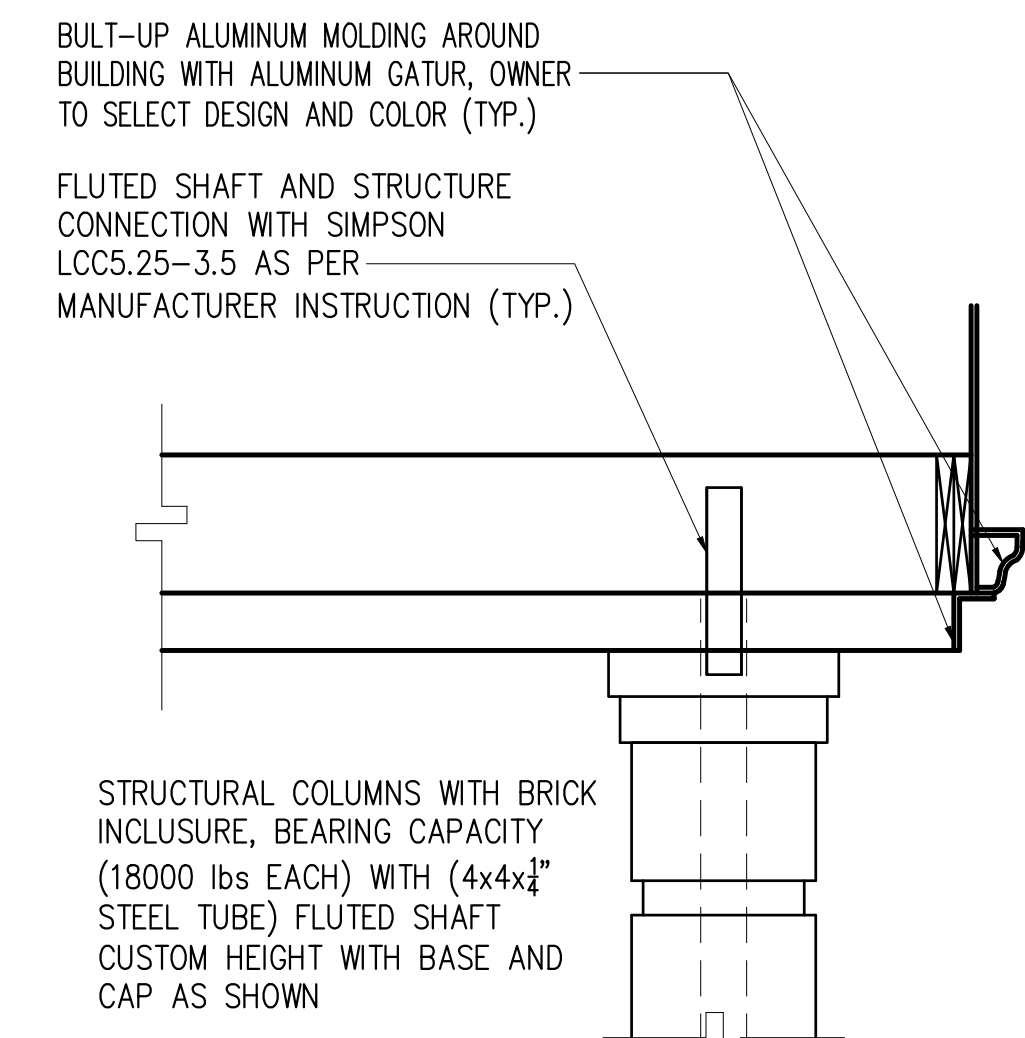
SHEET NUMBER
S-5



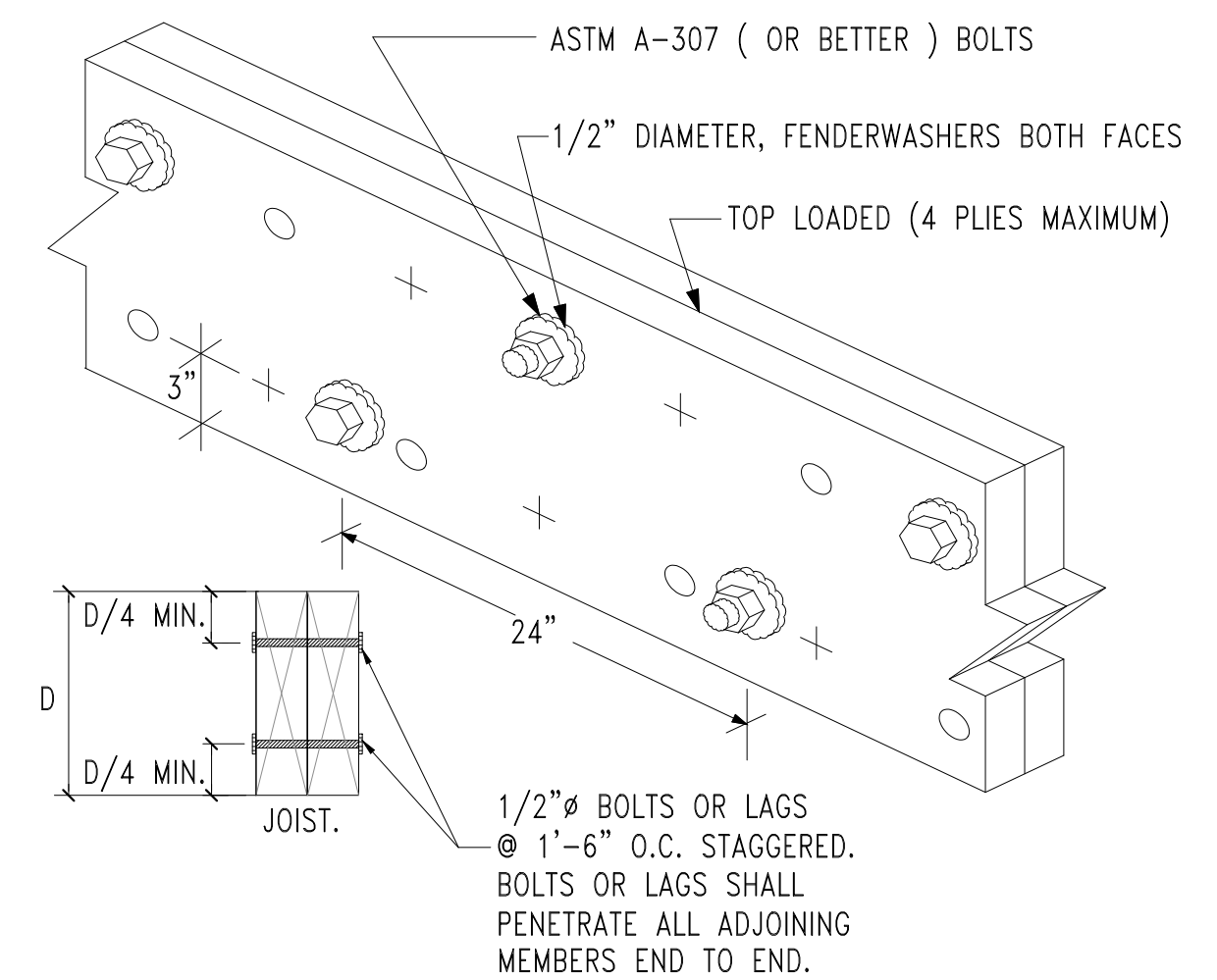
6 FIRST FLOOR FRAMING PLAN
SCALE : 1/4"=1'-0"



WOOD FLOOR DETAIL (TYP.)
(01) N.T.S



COLUMN CONNECTION DETAIL (TYP.)
(02) N.T.S



MULTIPLE WOOD BEAM CONSTRUCTION DETAIL (TYP.)
(03) N.T.S

#	DATE	REVISION	BY

The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

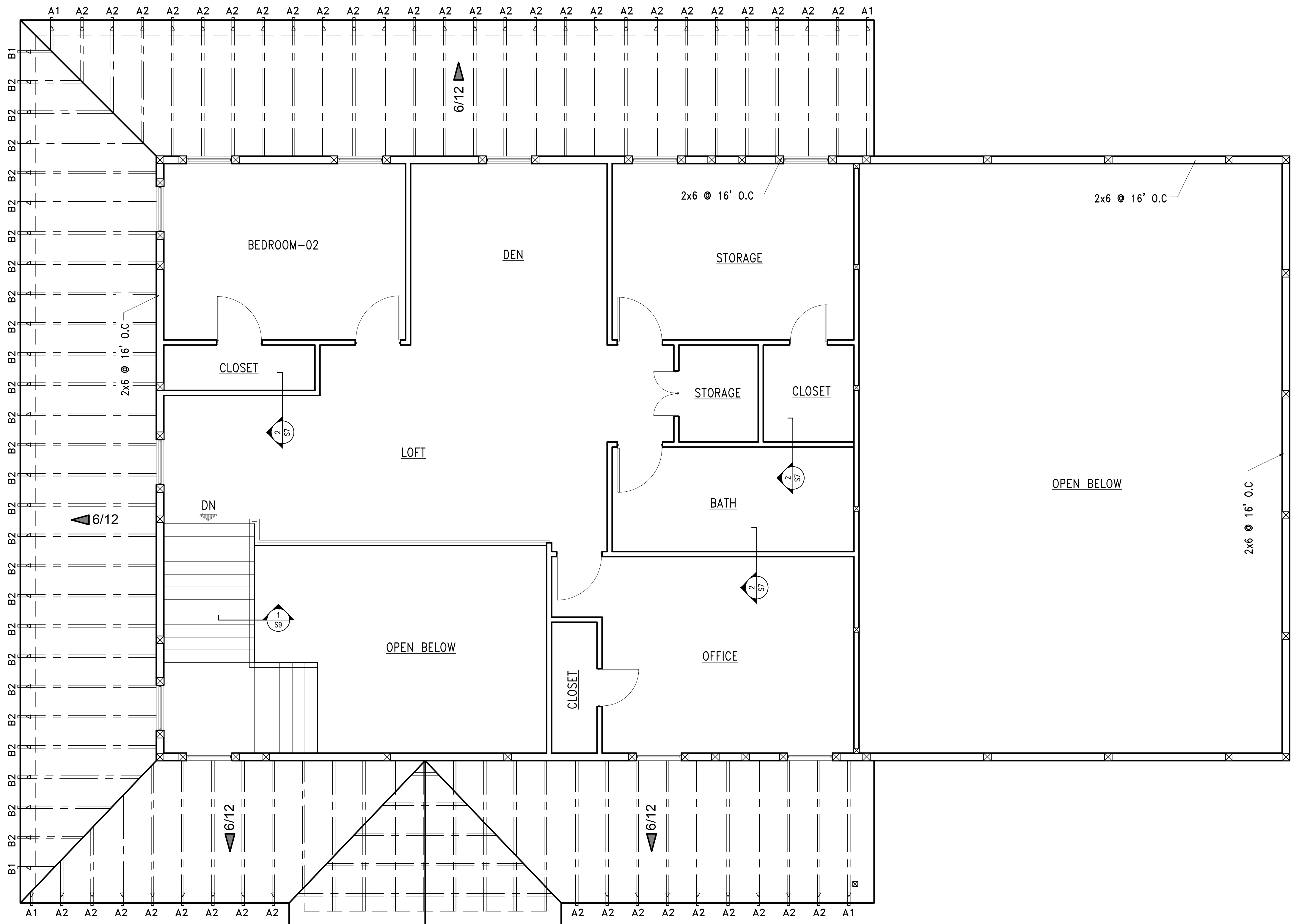
PREPARED FOR:

THE JEFFERS

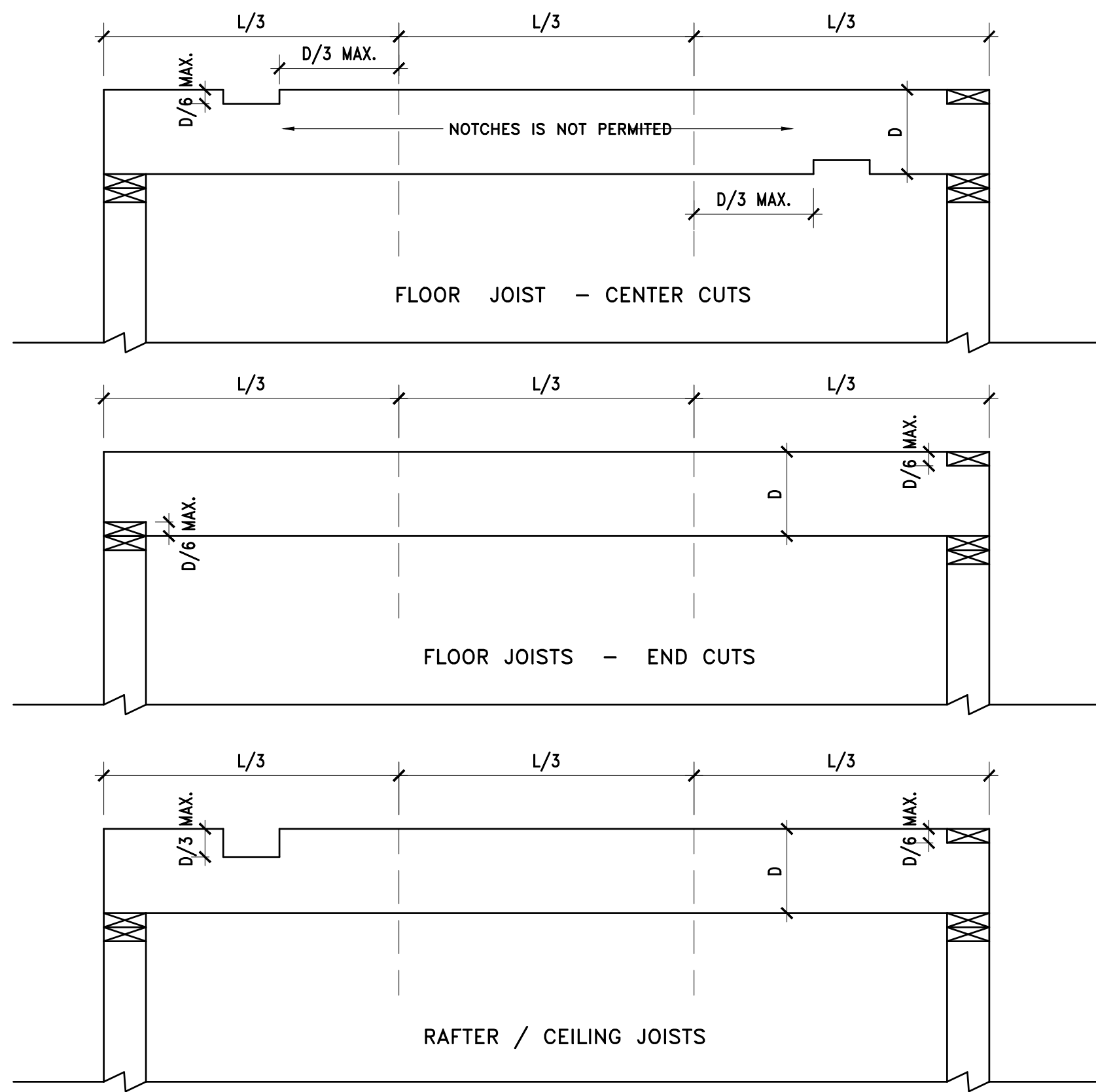
SHEET TITLE
1ST FL. FRAMING
PLAN AND DETAIL

SCALE
DRAWN BY HE-DM-GA
CHECKED BY
START DATE
JOB NO.

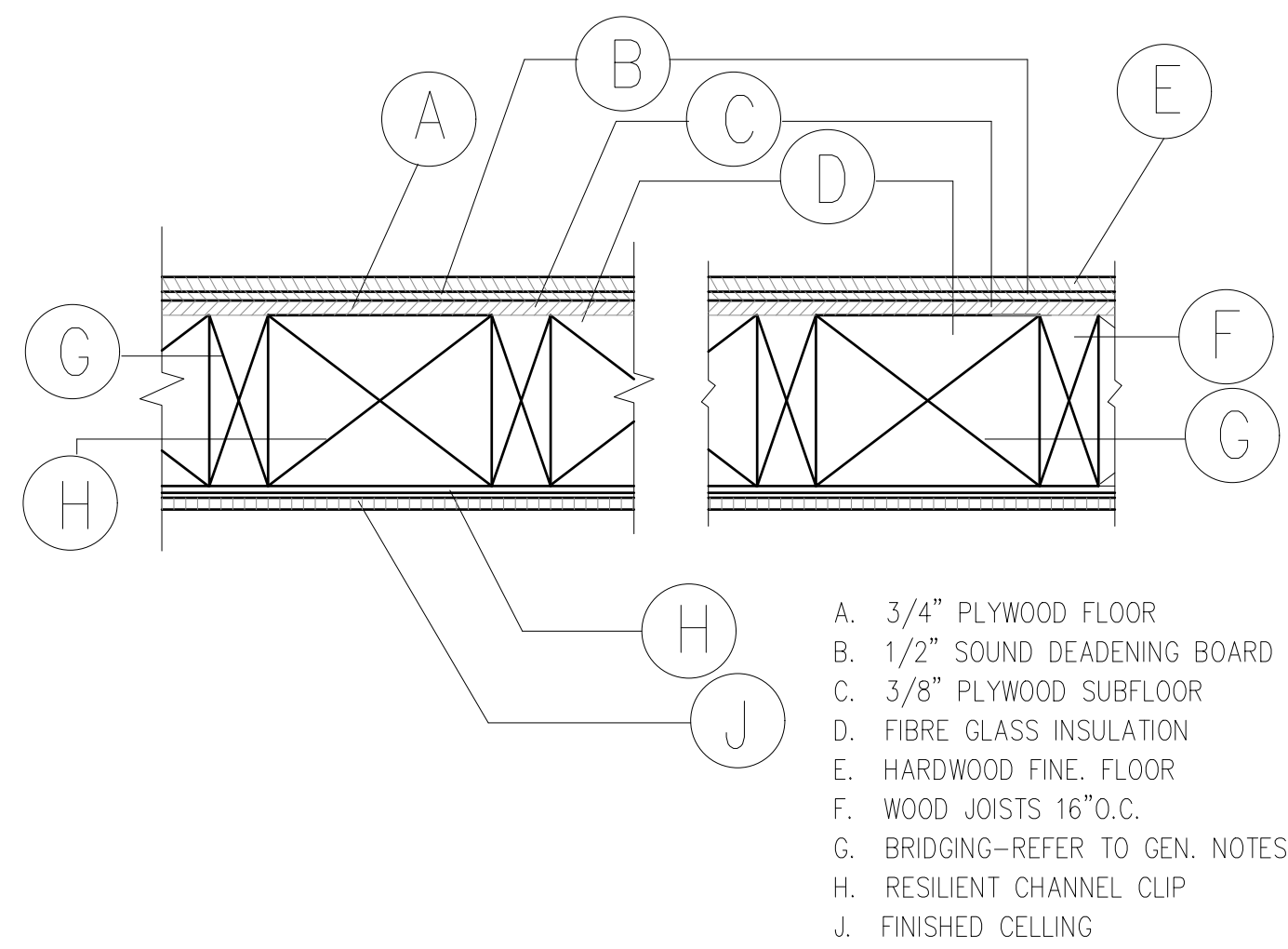
SHEET NUMBER
S-6



7 SECOND FLOOR FRAMING PLAN
SCALE : 1/4"=1'-0"



CUTTING DRILLING AND NOTCHING DETAIL AS PER
R502.8 (TYP.) (01) N.T.S



COLUMN CONNECTION DETAIL (02) N.T.S

#	DATE	REVISION	BY

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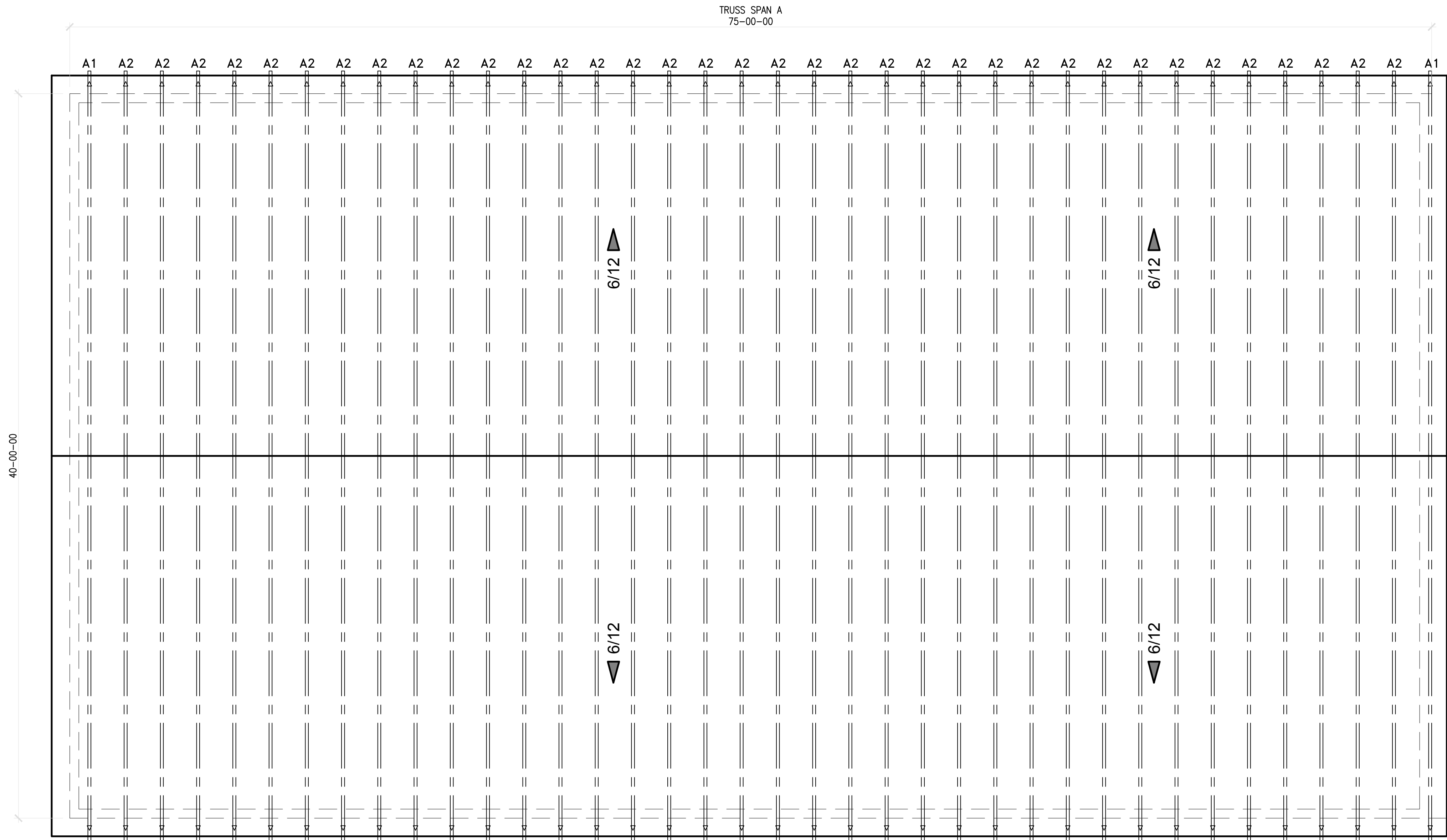
PREPARED FOR:

THE JEFFERS

SHEET TITLE
2ND FL.
FRAMING PLAN

SCALE
DRAWN BY HE-DM-GA
CHECKED BY
START DATE
JOB NO.

SHEET NUMBER
S-7



World International Truss Inc.
In Strict Accordance
W/ CBC 2022 / IBC 2021

Roof Truss Loading:
TCLL: 25 PSF
(Snow = 25 PF)
TCDL: 18 PSF
BCDL: 10 PSF

Roof Information:
Roof Pitch: 4/12
Ceiling Pitch: 0/12
Overhang Length: 24"
Spacing: 24" O.C.

2x Bearing Wall: 

8 ROOF TRUSS FRAMING PLAN
SCALE : 1/4"=1'-0"

#	DATE	REVISION	BY

The contractor shall verify and be responsible for all dimensions and conditions on the job and this office must be notified in writing of any variation from the dimensions and conditions shown by these drawings.

PREPARED FOR:
THE JEFFERS

SHEET TITLE
**ROOF FRAMING
PLAN AND DETAIL**

SCALE:
DRAWN BY: HE-DM-GA
CHECKED BY:
START DATE:
JOB NO.:

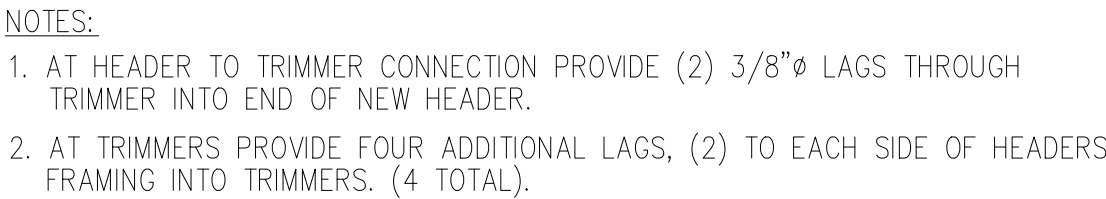
SHEET NUMBER
S-8



NOTE:
1. PROVIDE SMOKE SEALS AT RATED DOORS (TYP).
2. REFER ALSO TO DOOR SCHEDULE, A5.01
3. REFER ALSO TO FLOOR PLANS FOR TYP. WALL SECTIONS AND FURTHER REFERENCE FOR WALL FRAMING AND DETAILS

PER STRUCTURAL
 GYP. BD. AT EACH SIDE
 ACOUSTIC BATT INSULATION WHERE OCCURS
 SEE WALL TYPE IN PLAN
 WITH WALL TYPE
 COORD.
 DOOR, SEE SCHEDULE
 TILE @ RESTROOM,
 WHERE OCCURS
 TILE GROUT @
 RESTROOM DOOR

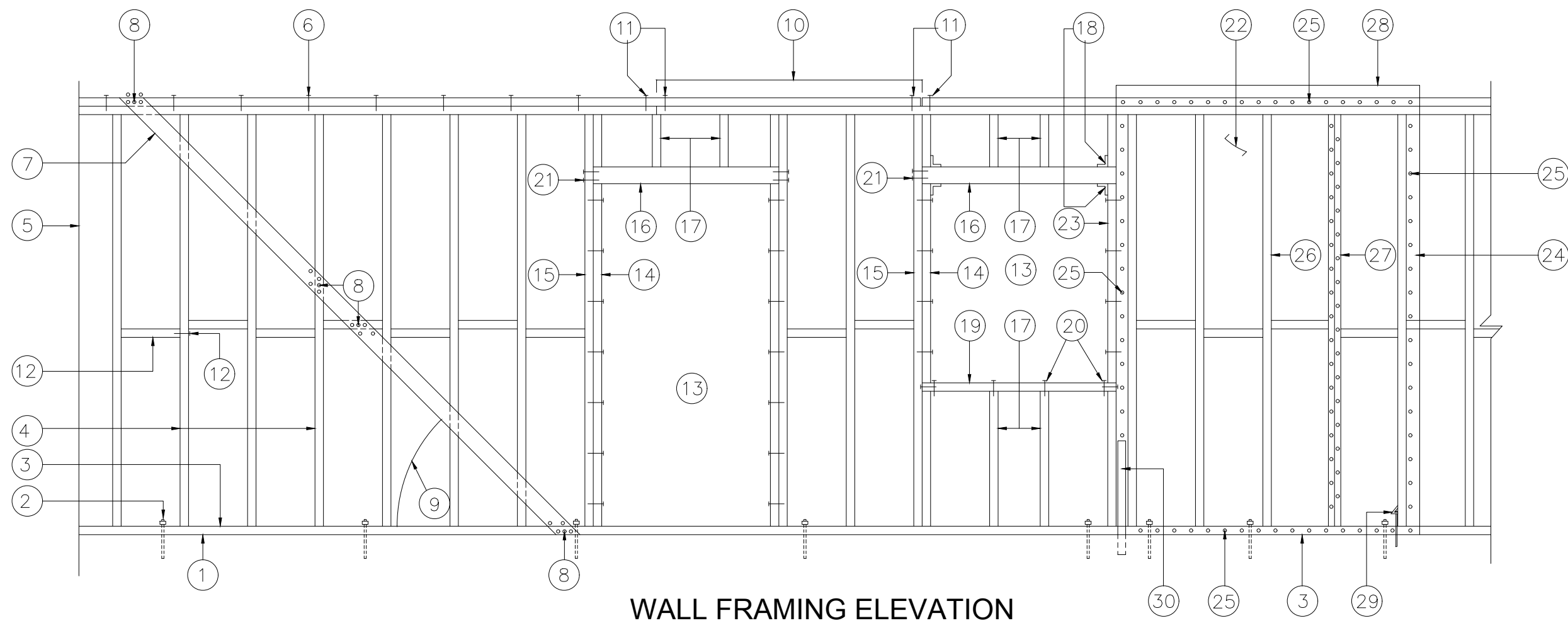
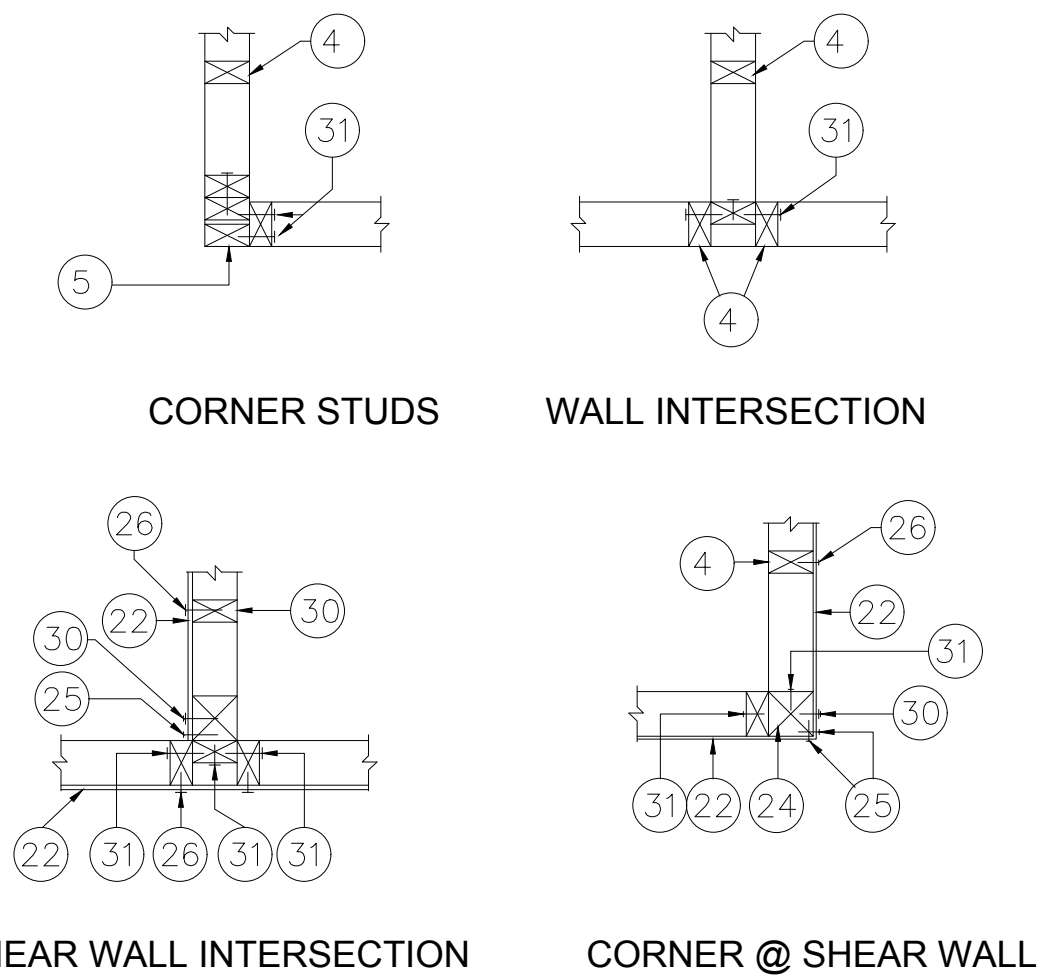
INTERIOR DOOR JAMB @ WOOD STUD



TYP. DETAIL AT HEADER/TRIMMER
NOT TO SCALE



EXTERIOR OUTSIDE CORNER FRAMING (03)



WALL FRAMING ELEVATION (06)

- | | | | |
|--|--|---|---|
| | | INTERSECTING PARTITIONS | 27.- USE 3X STUD @ PANEL JOINT IF SHEAR PANEL EDGE NAILING IS SPACED @ 2" O.C., STAGGER NAILS |
| 1.- TOP OF SLAB OR FOUNDATION WALL PER PLAN. | 12.- 2X BLOCKING AS REQUIRED PER U.B.C. | 13.- OPENING WHERE OCCURS | 28.- EXTEND PLYWOOD ABOVE TOP PLATE IF INDICATED ON PLAN OR DETAILS |
| 2.- ANCHOR BOLTS PER PLAN: MAX. SPACING: 72" O/C AND WITHIN 12" OF SILL ENDS; MIN. (2) A.B.'S PER PIECE OF SILL PLATE (U.N.O.) | 14.- 2X TRIMMER W/ 16d @ 12" O/C STAGGERED TO KING STUD U.N.O. | 15.- 2X KING STUD. USE DBL. KING STUD @ OPENINGS OVER 8'-10" WIDE, U.N.O. | 29.- HOLDOWN OR POST ANCHOR PER PLAN |
| 3.- 2X SILL PLATE | | 16.- HEADER PERPLAN | 30.- INSTALL POST ANCHOR PER PLAN ON OUTSIDE FACE OF PLYWOOD SHEAR PANEL U.N.O. |
| 4.- 2X STUDS @16" O.C. U.N.O., W/ (2) 16d END NAILS OR 4- 8d TOE NAILS EA. END TO TOP & SILL PLATES. | | 17.- CRIPPLE STUDS @ 16" O/C U.N.O. | 31.- NAIL CORNER & MULTIPLE STUDS TOGETHER W/16d @ 12" O/C STAGGERED |
| 5.- CORNER STUDS OR POST PER PLAN. | | 18.- ATTACH HEADER TO TRIMMER & KING STUD W/ SIMPSON A34 EA. END @ OPENINGS OVER 10'-0" WIDE (U.N.O.) | |
| 6.- (2) 2X TOP PLATE, NAILED TOGETHER W/16d @ 16" O/C U.N.O. | | 19.- 2X WINDOW SILL, U.N.O. | |
| 7.- AS A TEMPORARY BRACNG, USE 1X4 OR 1X6 DIAGONAL LET-IN BRACE @ EA. CORNER (OR NEAR THE CORNER) & @ MAX. 25' INTERVALS; ALT: SIMPSON WB STRAPS, INSTALLED IN PAIRS | | 20.- (2) 16d FACE NAILS OR (3) 8d TOE NAILS U.N.O. | |
| 8.- NAIL BRACE TO PLATES, STUDS, & BLOCKING W/ (2) 8d @ EA. BR'G | | 21.- (2) 16d END NAILS PER 2" OF HEADER DEPTH | |
| 9.- MIN. 45 ; MAX 60 ; BRACE TO COVER MIN. (3) STUD SPACES. | | 22.- PLYWOOD SHEAR PANEL PER PLAN | |
| 10.- TOP PLATE SPLICES TO OCCUR DIRECTLY ABOVE STUD OR POST & SHALL LAP MIN. 48" | | 23.- TRIMMER @ SHEAR PANEL PER PLAN | |
| 11.- (2) 16d END NAILS EA. SIDE JOINT @ SPICE LAPS & | | 24.- POST @ END OF SHEAR PANEL PER PLAN | |
| | | 25.- SHEAR PANEL EDGE NAIL'G PER SCHEDULE | |
| | | 26.- SHEAR PANEL FIELD NAIL'G PER SCHEDULE | |

PREPARED FOR:

THE JEFFERS

SHEET TITLE

FRAMING DETAILS

SCALE _____

DRAWN BY HE-DM-GA

CHECKED BY _____

START DATE _____

JOB NO. _____

SHEET NUMBER

S-10

9-10

