

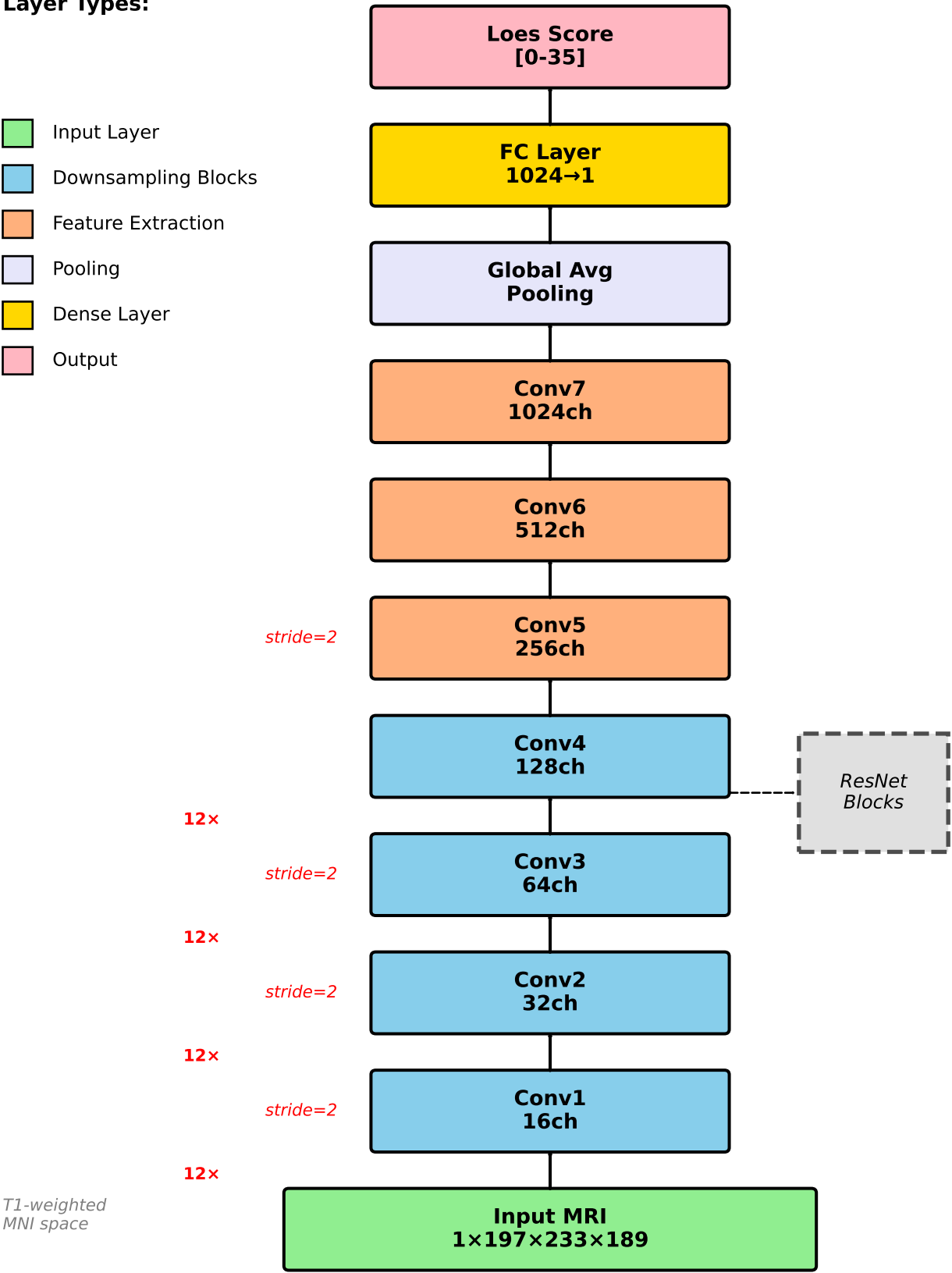
Loes Scoring ResNet Architecture (MONAI Regressor)

3D Brain MRI → Loes Score (0-35)

Layer Types:

- Input Layer
- Downsampling Blocks
- Feature Extraction
- Pooling
- Dense Layer
- Output

Regression
Output



Key Architecture Features:

- 3D Convolutions throughout
- Progressive downsampling (strides=2)
- 7 convolutional stages
- Channel progression: 16→32→64→128→256→512→1024
- Global average pooling → Dense layer → Single output

Input: T1-weighted MPRAGE MRI (197×233×189 voxels) | Output: Continuous Loes score (0-35)